Appendix E

Design Settings

Rainfall Methodology	FEH-22	Minimum Velocity (m/s)	1.00
Return Period (years)	100	Connection Type	Level Soffits
Additional Flow (%)	0	Minimum Backdrop Height (m)	0.200
CV	1.000	Preferred Cover Depth (m)	0.400
Time of Entry (mins)	5.00	Include Intermediate Ground	✓
Maximum Time of Concentration (mins)	30.00	Enforce best practice design rules	✓
Maximum Rainfall (mm/hr)	50.0		

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)	Invert Level (m)
SW1	0.080	5.00	13.600	315	1633279.290	405937.127	0.710	12.890
SW2			13.500	600	1633281.454	405906.446	0.918	12.582
SW3			13.550	600	1633284.445	405893.011	1.106	12.444
SW4			13.500		1633301.100	405893.798	1.271	12.229
SW5	0.009	5.00	13.600		1633283.534	405900.959	0.500	13.100
SW6			13.600	450	1633284.616	405894.247	0.568	13.032
SW7			13.550	300	1633293.451	405894.813	0.607	12.943
SW8			13.550		1633294.493	405894.879	1.295	12.255
SW9		5.00	13.550	600	1633300.501	405895.043	1.307	12.243
SW10	0.006	5.00	13.550		1633303.633	405897.366	0.430	13.120
SW11			13.550		1633300.329	405897.041	1.295	12.255
SW12			13.000	600	1633336.670	405895.477	1.127	11.873
SW13			13.000	1050	1633358.117	405907.084	1.371	11.629
SW14	0.017	5.00	13.700	315	1633339.107	405951.016	0.580	13.120
SW15			13.500	600	1633343.246	405928.611	0.608	12.892
SW16			13.400	600	1633350.116	405929.673	0.578	12.822
SW17			13.400	1050	1633352.216	405915.291	0.723	12.677
SW18	0.076	5.00	13.500	315	1633351.284	405915.773	0.630	12.870
SW19			13.200	600	1633353.488	405909.430	0.647	12.553
SW20	0.016	5.00	13.100	316	1633352.148	405910.494	0.530	12.570
SW21			12.400	600	1633365.061	405905.537	0.842	11.558
SW22	0.024	5.00	12.500	315	1633361.373	405890.891	0.540	11.960
SW23			13.000	600	1633415.178	405913.386	1.991	11.009
SW24	0.015	5.00	13.340		1633355.437	405943.844	0.500	12.840
SW25			13.800	600	1633358.060	405961.951	1.143	12.657
SW26			13.800		1633379.696	405960.153	1.360	12.440
SW27	0.003	5.00	13.300		1633379.052	405956.360	0.500	12.800
SW28			13.800	1050	1633385.862	405959.641	1.422	12.378
SW29	0.007	5.00	13.330		1633385.840	405954.730	0.500	12.830
SW30			13.900	1050	1633385.878	405963.236	1.558	12.342
SW31			13.900		1633389.676	405963.760	2.242	11.658
SW32		5.00	13.900	600	1633391.588	405963.052	2.246	11.654
SW33			14.000	1050	1633393.987	405960.438	2.431	11.569
SW34	0.036	5.00	13.900	315	1633395.214	405961.375	0.550	13.350
SW35			13.700	600	1633400.489	405946.967	2.281	11.419
SW36			13.700	600	1633407.766	405946.280	2.354	11.346
SW37			13.400	1050	1633411.319	405930.468	2.216	11.184
SW38	0.029	5.00	13.400	315	1633412.632	405930.955	0.730	12.670
SW39	0.022	5.00	13.000	315	1633416.492	405913.872	0.700	12.300
SW40			12.800	1000	1633417.024	405905.218	2.562	10.238
SW41	0.022	5.00	12.800	315	1633417.751	405907.202	0.580	12.220
SW42	0.007	5.00	13.320		1633380.049	405939.127	0.500	12.820

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Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)	Invert Level (m)
SW43			13.320	600	1633383.602	405938.721	1.020	12.300
SW44			13.320	600	1633385.566	405929.929	1.110	12.210
SW45	0.004	5.00	13.300	600	1633386.687	405924.909	1.141	12.159
SW46	0.002	5.00	13.300	600	1633389.321	405913.118	1.262	12.038
SW47			13.000	600	1633392.387	405899.394	1.855	11.145
SW48	0.003	5.00	12.400		1633380.405	405906.476	0.500	11.900
SW49	0.004	5.00	12.400		1633373.811	405873.339	0.500	11.900
SW50	0.002	5.00	12.400	450	1633380.870	405866.393	0.599	11.801
SW51			12.400	450	1633393.482	405869.196	0.728	11.672
SW52			12.700	600	1633392.590	405893.851	1.500	11.200
SW53	0.005	5.00	12.400		1633383.074	405889.313	0.500	11.900
SW54			12.400	600	1633386.152	405890.789	1.129	11.271
SW55			13.000	300	1633407.005	405901.874	2.003	10.997
SW56			13.000		1633408.245	405902.085	2.706	10.294
SW57		5.00	12.800	600	1633412.447	405904.507	2.516	10.284

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
1.000	SW1	SW2	30.757	0.600	12.890	12.582	0.308	100.0	150	5.51	50.0
1.001	SW2	SW3	13.764	0.600	12.582	12.444	0.138	100.0	150	5.74	50.0
1.002	SW3	SW4	16.674	0.600	12.444	12.229	0.215	77.6	150	5.98	50.0
1.003	SW5	SW6	6.799	0.600	13.100	13.032	0.068	100.0	100	5.15	50.0
1.004	SW6	SW7	8.853	0.600	13.032	12.943	0.089	100.0	100	5.34	50.0
1.005	SW7	SW8	1.044	0.600	12.943	12.933	0.010	100.0	100	5.36	50.0
1.006	SW10	SW11	3.320	0.600	13.120	12.943	0.177	18.8	100	5.03	50.0
1.007	SW9	SW4	1.382	0.600	12.243	12.229	0.014	100.0	100	5.03	50.0
1.008	SW4	SW12	35.610	0.600	12.229	11.873	0.356	100.0	150	6.57	50.0
1.009	SW12	SW13	24.386	0.600	11.873	11.629	0.244	100.0	150	6.98	50.0
2.000	SW14	SW15	22.784	0.600	13.120	12.892	0.228	100.0	100	5.49	50.0
2.001	SW15	SW16	6.952	0.600	12.892	12.822	0.070	100.0	100	5.64	50.0
2.002	SW16	SW17	14.535	0.600	12.822	12.677	0.145	100.0	100	5.96	50.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
1.000	1.005	17.8	14.5	0.560	0.768	0.080	0.0	103	1.117
1.001	1.005	17.8	14.5	0.768	0.956	0.080	0.0	103	1.117
1.002	1.142	20.2	14.5	0.956	1.121	0.080	0.0	94	1.240
1.003	0.769	6.0	1.6	0.400	0.468	0.009	0.0	36	0.653
1.004	0.769	6.0	1.6	0.468	0.507	0.009	0.0	36	0.653
1.005	0.769	6.0	1.6	0.507	0.517	0.009	0.0	36	0.653
1.006	1.791	14.1	1.1	0.330	0.507	0.006	0.0	19	1.069
1.007	0.769	6.0	0.0	1.207	1.171	0.000	0.0	0	0.000
1.008	1.005	17.8	14.5	1.121	0.977	0.080	0.0	103	1.117
1.009	1.005	17.8	14.5	0.977	1.221	0.080	0.0	103	1.117
2.000	0.769	6.0	3.1	0.480	0.508	0.017	0.0	50	0.771
2.001	0.769	6.0	3.1	0.508	0.478	0.017	0.0	50	0.771
2.002	0.769	6.0	3.1	0.478	0.623	0.017	0.0	50	0.771

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Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
3.000	SW18	SW17	1.049	0.600	12.870	12.849	0.021	50.0	150	5.01	50.0
2.003	SW17	SW19	5.997	0.600	12.677	12.553	0.124	48.4	150	6.03	50.0
4.000	SW20	SW19	1.711	0.600	12.570	12.553	0.017	100.0	100	5.04	50.0
2.004	SW19	SW13	5.190	0.600	12.553	12.449	0.104	50.0	150	6.09	50.0
1.010	SW13	SW21	7.114	0.600	11.629	11.558	0.071	100.0	225	7.07	50.0
5.000	SW22	SW21	15.103	0.600	11.960	11.558	0.402	37.6	100	5.20	50.0
1.011	SW21	SW23	50.728	0.600	11.558	11.009	0.549	92.4	225	7.69	50.0
6.000	SW24	SW25	18.296	0.600	12.840	12.657	0.183	100.0	100	5.40	50.0
6.001	SW25	SW26	21.711	0.600	12.657	12.440	0.217	100.0	100	5.87	50.0
7.000	SW27	SW26	3.847	0.600	12.800	12.440	0.360	10.7	100	5.03	50.0
6.002	SW26	SW28	6.187	0.600	12.440	12.378	0.062	100.0	100	6.00	50.0
8.000	SW29	SW28	4.911	0.600	12.830	12.781	0.049	100.0	100	5.11	50.0
6.003	SW28	SW30	3.595	0.600	12.378	12.342	0.036	100.0	150	6.06	50.0
6.004	SW30	SW31	3.834	0.600	12.342	12.304	0.038	100.0	150	6.12	50.0
6.005	SW32	SW33	3.548	0.600	11.654	11.619	0.035	100.0	100	5.08	50.0
9.000	SW34	SW33	1.544	0.600	13.350	13.319	0.031	50.0	100	5.02	50.0
6.006	SW33	SW35	14.958	0.600	11.569	11.419	0.150	100.0	150	5.33	50.0
6.007	SW35	SW36	7.309	0.600	11.419	11.346	0.073	100.0	150	5.45	50.0
6.008	SW36	SW37	16.206	0.600	11.346	11.184	0.162	100.0	150	5.72	50.0
10.000	SW38	SW37	1.400	0.600	12.670	12.642	0.028	50.0	100	5.02	50.0
6.009	SW37	SW23	17.512	0.600	11.184	11.009	0.175	100.0	150	6.01	50.0
11.000	SW39	SW23	1.401	0.600	12.300	12.272	0.028	50.0	100	5.02	50.0
6.010	SW23	SW40	8.374	0.600	11.009	10.904	0.105	80.0	225	7.78	50.0
12.000	SW41	SW40	2.113	0.600	12.220	12.178	0.042	50.0	100	5.03	50.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
3.000	1.426	25.2	13.7	0.480	0.401	0.076	0.0	79	1.455
2.003	1.450	25.6	16.8	0.573	0.497	0.093	0.0	89	1.545
4.000	0.769	6.0	2.9	0.430	0.547	0.016	0.0	49	0.761
2.004	1.426	25.2	19.7	0.497	0.401	0.109	0.0	100	1.574
1.010	1.307	52.0	34.2	1.146	0.617	0.189	0.0	133	1.392
5.000	1.262	9.9	4.3	0.440	0.742	0.024	0.0	46	1.222
1.011	1.360	54.1	38.5	0.617	1.766	0.213	0.0	140	1.472
6.000	0.769	6.0	2.7	0.400	1.043	0.015	0.0	47	0.750
6.001	0.769	6.0	2.7	1.043	1.260	0.015	0.0	47	0.750
7.000	2.377	18.7	0.5	0.400	1.260	0.003	0.0	12	1.062
6.002	0.769	6.0	3.3	1.260	1.322	0.018	0.0	52	0.781
8.000	0.769	6.0	1.3	0.400	0.919	0.007	0.0	31	0.605
6.003	1.005	17.8	4.5	1.272	1.408	0.025	0.0	51	0.838
6.004	1.005	17.8	4.5	1.408	1.446	0.025	0.0	51	0.838
6.005	0.769	6.0	0.0	2.146	2.281	0.000	0.0	0	0.000
9.000	1.092	8.6	6.5	0.450	0.581	0.036	0.0	65	1.201
6.006	1.005	17.8	6.5	2.281	2.131	0.036	0.0	63	0.929
6.007	1.005	17.8	6.5	2.131	2.204	0.036	0.0	63	0.929
6.008	1.005	17.8	6.5	2.204	2.066	0.036	0.0	63	0.929
10.000	1.092	8.6	5.2	0.630	0.658	0.029	0.0	57	1.147
6.009	1.005	17.8	11.7	2.066	1.841	0.065	0.0	89	1.073
11.000	1.092	8.6	4.0	0.600	0.628	0.022	0.0	48	1.074
6.010	1.463	58.2	54.2	1.766	1.671	0.300	0.0	173	1.655
12.000	1.092	8.6	4.0	0.480	0.522	0.022	0.0	48	1.074

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Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
13.000	SW42	SW43	3.576	0.600	12.820	12.748	0.072	50.0	100	5.05	50.0
13.001	SW43	SW44	9.009	0.600	12.300	12.210	0.090	100.0	100	5.25	50.0
13.002	SW44	SW45	5.144	0.600	12.210	12.159	0.051	100.0	100	5.36	50.0
13.003	SW45	SW46	12.082	0.600	12.159	12.038	0.121	100.0	100	5.62	50.0
13.004	SW46	SW47	14.062	0.600	12.038	11.792	0.246	57.2	100	5.85	50.0
14.000	SW48	SW47	13.918	0.600	11.900	11.761	0.139	100.0	100	5.30	50.0
15.000	SW49	SW50	9.903	0.600	11.900	11.801	0.099	100.0	100	5.21	50.0
15.001	SW50	SW51	12.920	0.600	11.801	11.672	0.129	100.0	100	5.49	50.0
15.002	SW51	SW52	24.671	0.600	11.672	11.200	0.472	52.3	100	5.88	50.0
16.000	SW53	SW54	3.414	0.600	11.900	11.866	0.034	100.0	100	5.07	50.0
16.001	SW54	SW52	7.129	0.600	11.271	11.200	0.071	100.0	100	5.23	50.0
15.003	SW52	SW47	5.547	0.600	11.200	11.145	0.055	100.0	100	6.00	50.0
17.000	SW47	SW55	14.827	0.600	11.145	10.997	0.148	100.0	100	6.32	50.0
17.001	SW55	SW56	1.258	0.600	10.997	10.984	0.013	100.0	100	6.35	50.0
17.002	SW57	SW40	4.632	0.600	10.284	10.238	0.046	100.0	100	5.10	50.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
13.000	1.092	8.6	1.3	0.400	0.472	0.007	0.0	26	0.784
13.001	0.769	6.0	1.3	0.920	1.010	0.007	0.0	31	0.605
13.002	0.769	6.0	1.3	1.010	1.041	0.007	0.0	31	0.605
13.003	0.769	6.0	2.0	1.041	1.162	0.011	0.0	39	0.689
13.004	1.021	8.0	2.3	1.162	1.108	0.013	0.0	37	0.887
14.000	0.769	6.0	0.5	0.400	1.139	0.003	0.0	21	0.479
15.000	0.769	6.0	0.7	0.400	0.499	0.004	0.0	23	0.511
15.001	0.769	6.0	1.1	0.499	0.628	0.006	0.0	29	0.579
15.002	1.068	8.4	1.1	0.628	1.400	0.006	0.0	25	0.739
16.000	0.769	6.0	0.9	0.400	0.434	0.005	0.0	26	0.551
16.001	0.769	6.0	0.9	1.029	1.400	0.005	0.0	26	0.551
15.003	0.769	6.0	2.0	1.400	1.755	0.011	0.0	39	0.689
17.000	0.769	6.0	4.9	1.755	1.903	0.027	0.0	68	0.856
17.001	0.769	6.0	4.9	1.903	1.916	0.027	0.0	68	0.856
17.002	0.769	6.0	0.0	2.416	2.462	0.000	0.0	0	0.000

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.000	30.757	100.0	150	Circular	13.600	12.890	0.560	13.500	12.582	0.768
1.001	13.764	100.0	150	Circular	13.500	12.582	0.768	13.550	12.444	0.956
1.002	16.674	77.6	150	Circular	13.550	12.444	0.956	13.500	12.229	1.121
1.003	6.799	100.0	100	Circular	13.600	13.100	0.400	13.600	13.032	0.468
1.004	8.853	100.0	100	Circular	13.600	13.032	0.468	13.550	12.943	0.507

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.000	SW1	315	Manhole	Adoptable	SW2	600	Manhole	Adoptable
1.001	SW2	600	Manhole	Adoptable	SW3	600	Manhole	Adoptable
1.002	SW3	600	Manhole	Adoptable	SW4		Junction	
1.003	SW5		Junction		SW6	450	Manhole	Adoptable
1.004	SW6	450	Manhole	Adoptable	SW7	300	Manhole	Adoptable

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Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.005	1.044	100.0	100	Circular	13.550	12.943	0.507	13.550	12.933	0.517
1.006	3.320	18.8	100	Circular	13.550	13.120	0.330	13.550	12.943	0.507
1.007	1.382	100.0	100	Circular	13.550	12.243	1.207	13.500	12.229	1.171
1.008	35.610	100.0	150	Circular	13.500	12.229	1.121	13.000	11.873	0.977
1.009	24.386	100.0	150	Circular	13.000	11.873	0.977	13.000	11.629	1.221
2.000	22.784	100.0	100	Circular	13.700	13.120	0.480	13.500	12.892	0.508
2.001	6.952	100.0	100	Circular	13.500	12.892	0.508	13.400	12.822	0.478
2.002	14.535	100.0	100	Circular	13.400	12.822	0.478	13.400	12.677	0.623
3.000	1.049	50.0	150	Circular	13.500	12.870	0.480	13.400	12.849	0.401
2.003	5.997	48.4	150	Circular	13.400	12.677	0.573	13.200	12.553	0.497
4.000	1.711	100.0	100	Circular	13.100	12.570	0.430	13.200	12.553	0.547
2.004	5.190	50.0	150	Circular	13.200	12.553	0.497	13.000	12.449	0.401
1.010	7.114	100.0	225	Circular	13.000	11.629	1.146	12.400	11.558	0.617
5.000	15.103	37.6	100	Circular	12.500	11.960	0.440	12.400	11.558	0.742
1.011	50.728	92.4	225	Circular	12.400	11.558	0.617	13.000	11.009	1.766
6.000	18.296	100.0	100	Circular	13.340	12.840	0.400	13.800	12.657	1.043
6.001	21.711	100.0	100	Circular	13.800	12.657	1.043	13.800	12.440	1.260
7.000	3.847	10.7	100	Circular	13.300	12.800	0.400	13.800	12.440	1.260
6.002	6.187	100.0	100	Circular	13.800	12.440	1.260	13.800	12.378	1.322
8.000	4.911	100.0	100	Circular	13.330	12.830	0.400	13.800	12.781	0.919
6.003	3.595	100.0	150	Circular	13.800	12.378	1.272	13.900	12.342	1.408
6.004	3.834	100.0	150	Circular	13.900	12.342	1.408	13.900	12.304	1.446
6.005	3.548	100.0	100	Circular	13.900	11.654	2.146	14.000	11.619	2.281
9.000	1.544	50.0	100	Circular	13.900	13.350	0.450	14.000	13.319	0.581
6.006	14.958	100.0	150	Circular	14.000	11.569	2.281	13.700	11.419	2.131

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.005	SW7	300	Manhole	Adoptable	SW8		Junction	
1.006	SW10		Junction		SW11		Junction	
1.007	SW9	600	Manhole	Adoptable	SW4		Junction	
1.008	SW4		Junction		SW12	600	Manhole	Adoptable
1.009	SW12	600	Manhole	Adoptable	SW13	1050	Manhole	Adoptable
2.000	SW14	315	Manhole	Adoptable	SW15	600	Manhole	Adoptable
2.001	SW15	600	Manhole	Adoptable	SW16	600	Manhole	Adoptable
2.002	SW16	600	Manhole	Adoptable	SW17	1050	Manhole	Adoptable
3.000	SW18	315	Manhole	Adoptable	SW17	1050	Manhole	Adoptable
2.003	SW17	1050	Manhole	Adoptable	SW19	600	Manhole	Adoptable
4.000	SW20	316	Manhole	Adoptable	SW19	600	Manhole	Adoptable
2.004	SW19	600	Manhole	Adoptable	SW13	1050	Manhole	Adoptable
1.010	SW13	1050	Manhole	Adoptable	SW21	600	Manhole	Adoptable
5.000	SW22	315	Manhole	Adoptable	SW21	600	Manhole	Adoptable
1.011	SW21	600	Manhole	Adoptable	SW23	600	Manhole	Adoptable
6.000	SW24		Junction		SW25	600	Manhole	Adoptable
6.001	SW25	600	Manhole	Adoptable	SW26		Junction	
7.000	SW27		Junction		SW26		Junction	
6.002	SW26		Junction		SW28	1050	Manhole	Adoptable
8.000	SW29		Junction		SW28	1050	Manhole	Adoptable
6.003	SW28	1050	Manhole	Adoptable	SW30	1050	Manhole	Adoptable
6.004	SW30	1050	Manhole	Adoptable	SW31		Junction	
6.005	SW32	600	Manhole	Adoptable	SW33	1050	Manhole	Adoptable
9.000	SW34	315	Manhole	Adoptable	SW33	1050	Manhole	Adoptable
6.006	SW33	1050	Manhole	Adoptable	SW35	600	Manhole	Adoptable

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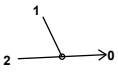
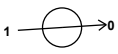
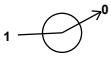
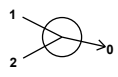
Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
6.007	7.309	100.0	150	Circular	13.700	11.419	2.131	13.700	11.346	2.204
6.008	16.206	100.0	150	Circular	13.700	11.346	2.204	13.400	11.184	2.066
10.000	1.400	50.0	100	Circular	13.400	12.670	0.630	13.400	12.642	0.658
6.009	17.512	100.0	150	Circular	13.400	11.184	2.066	13.000	11.009	1.841
11.000	1.401	50.0	100	Circular	13.000	12.300	0.600	13.000	12.272	0.628
6.010	8.374	80.0	225	Circular	13.000	11.009	1.766	12.800	10.904	1.671
12.000	2.113	50.0	100	Circular	12.800	12.220	0.480	12.800	12.178	0.522
13.000	3.576	50.0	100	Circular	13.320	12.820	0.400	13.320	12.748	0.472
13.001	9.009	100.0	100	Circular	13.320	12.300	0.920	13.320	12.210	1.010
13.002	5.144	100.0	100	Circular	13.320	12.210	1.010	13.300	12.159	1.041
13.003	12.082	100.0	100	Circular	13.300	12.159	1.041	13.300	12.038	1.162
13.004	14.062	57.2	100	Circular	13.300	12.038	1.162	13.000	11.792	1.108
14.000	13.918	100.0	100	Circular	12.400	11.900	0.400	13.000	11.761	1.139
15.000	9.903	100.0	100	Circular	12.400	11.900	0.400	12.400	11.801	0.499
15.001	12.920	100.0	100	Circular	12.400	11.801	0.499	12.400	11.672	0.628
15.002	24.671	52.3	100	Circular	12.400	11.672	0.628	12.700	11.200	1.400
16.000	3.414	100.0	100	Circular	12.400	11.900	0.400	12.400	11.866	0.434
16.001	7.129	100.0	100	Circular	12.400	11.271	1.029	12.700	11.200	1.400
15.003	5.547	100.0	100	Circular	12.700	11.200	1.400	13.000	11.145	1.755
17.000	14.827	100.0	100	Circular	13.000	11.145	1.755	13.000	10.997	1.903
17.001	1.258	100.0	100	Circular	13.000	10.997	1.903	13.000	10.984	1.916
17.002	4.632	100.0	100	Circular	12.800	10.284	2.416	12.800	10.238	2.462

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
6.007	SW35	600	Manhole	Adoptable	SW36	600	Manhole	Adoptable
6.008	SW36	600	Manhole	Adoptable	SW37	1050	Manhole	Adoptable
10.000	SW38	315	Manhole	Adoptable	SW37	1050	Manhole	Adoptable
6.009	SW37	1050	Manhole	Adoptable	SW23	600	Manhole	Adoptable
11.000	SW39	315	Manhole	Adoptable	SW23	600	Manhole	Adoptable
6.010	SW23	600	Manhole	Adoptable	SW40	1000	Manhole	Adoptable
12.000	SW41	315	Manhole	Adoptable	SW40	1000	Manhole	Adoptable
13.000	SW42		Junction		SW43	600	Manhole	Adoptable
13.001	SW43	600	Manhole	Adoptable	SW44	600	Manhole	Adoptable
13.002	SW44	600	Manhole	Adoptable	SW45	600	Manhole	Adoptable
13.003	SW45	600	Manhole	Adoptable	SW46	600	Manhole	Adoptable
13.004	SW46	600	Manhole	Adoptable	SW47	600	Manhole	Adoptable
14.000	SW48		Junction		SW47	600	Manhole	Adoptable
15.000	SW49		Junction		SW50	450	Manhole	Adoptable
15.001	SW50	450	Manhole	Adoptable	SW51	450	Manhole	Adoptable
15.002	SW51	450	Manhole	Adoptable	SW52	600	Manhole	Adoptable
16.000	SW53		Junction		SW54	600	Manhole	Adoptable
16.001	SW54	600	Manhole	Adoptable	SW52	600	Manhole	Adoptable
15.003	SW52	600	Manhole	Adoptable	SW47	600	Manhole	Adoptable
17.000	SW47	600	Manhole	Adoptable	SW55	300	Manhole	Adoptable
17.001	SW55	300	Manhole	Adoptable	SW56		Junction	
17.002	SW57	600	Manhole	Adoptable	SW40	1000	Manhole	Adoptable

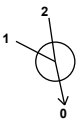
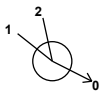
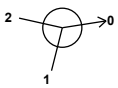
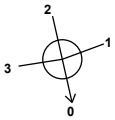
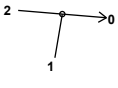
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Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
SW1	1633279.290	405937.127	13.600	0.710	315		0	1.000	12.890	150
SW2	1633281.454	405906.446	13.500	0.918	600		1	1.000	12.582	150
							0	1.001	12.582	150
SW3	1633284.445	405893.011	13.550	1.106	600		1	1.001	12.444	150
							0	1.002	12.444	150
SW4	1633301.100	405893.798	13.500	1.271			1	1.007	12.229	100
							2	1.002	12.229	150
							0	1.008	12.229	150
SW5	1633283.534	405900.959	13.600	0.500			0	1.003	13.100	100
SW6	1633284.616	405894.247	13.600	0.568	450		1	1.003	13.032	100
							0	1.004	13.032	100
SW7	1633293.451	405894.813	13.550	0.607	300		1	1.004	12.943	100
							0	1.005	12.943	100
SW8	1633294.493	405894.879	13.550	1.295			1	1.005	12.933	100
SW9	1633300.501	405895.043	13.550	1.307	600		0	1.007	12.243	100
SW10	1633303.633	405897.366	13.550	0.430			0	1.006	13.120	100
SW11	1633300.329	405897.041	13.550	1.295			1	1.006	12.943	100
SW12	1633336.670	405895.477	13.000	1.127	600		1	1.008	11.873	150
							0	1.009	11.873	150
SW13	1633358.117	405907.084	13.000	1.371	1050		1	2.004	12.449	150
							2	1.009	11.629	150
							0	1.010	11.629	225

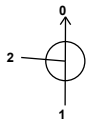
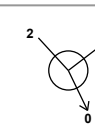
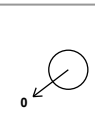
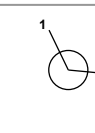
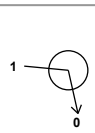
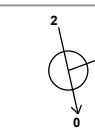
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Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
SW14	1633339.107	405951.016	13.700	0.580	315		0	2.000	13.120	100
SW15	1633343.246	405928.611	13.500	0.608	600		1	2.000	12.892	100
							0	2.001	12.892	100
SW16	1633350.116	405929.673	13.400	0.578	600		1	2.001	12.822	100
							0	2.002	12.822	100
SW17	1633352.216	405915.291	13.400	0.723	1050		1	3.000	12.849	150
							2	2.002	12.677	100
							0	2.003	12.677	150
SW18	1633351.284	405915.773	13.500	0.630	315		0	3.000	12.870	150
SW19	1633353.488	405909.430	13.200	0.647	600		1	4.000	12.553	100
							2	2.003	12.553	150
							0	2.004	12.553	150
SW20	1633352.148	405910.494	13.100	0.530	316		0	4.000	12.570	100
SW21	1633365.061	405905.537	12.400	0.842	600		1	5.000	11.558	100
							2	1.010	11.558	225
							0	1.011	11.558	225
SW22	1633361.373	405890.891	12.500	0.540	315		0	5.000	11.960	100
SW23	1633415.178	405913.386	13.000	1.991	600		1	11.000	12.272	100
							2	6.009	11.009	150
							3	1.011	11.009	225
							0	6.010	11.009	225
SW24	1633355.437	405943.844	13.340	0.500			0	6.000	12.840	100
SW25	1633358.060	405961.951	13.800	1.143	600		1	6.000	12.657	100
							0	6.001	12.657	100
SW26	1633379.696	405960.153	13.800	1.360			1	7.000	12.440	100
							2	6.001	12.440	100
							0	6.002	12.440	100

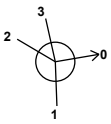
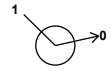
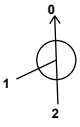
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Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
SW27	1633379.052	405956.360	13.300	0.500			0	7.000	12.800	100
SW28	1633385.862	405959.641	13.800	1.422	1050		1	8.000	12.781	100
							2	6.002	12.378	100
							0	6.003	12.378	150
SW29	1633385.840	405954.730	13.330	0.500			0	8.000	12.830	100
SW30	1633385.878	405963.236	13.900	1.558	1050		1	6.003	12.342	150
							0	6.004	12.342	150
SW31	1633389.676	405963.760	13.900	2.242			1	6.004	12.304	150
SW32	1633391.588	405963.052	13.900	2.246	600		0	6.005	11.654	100
SW33	1633393.987	405960.438	14.000	2.431	1050		1	9.000	13.319	100
							2	6.005	11.619	100
							0	6.006	11.569	150
SW34	1633395.214	405961.375	13.900	0.550	315		0	9.000	13.350	100
SW35	1633400.489	405946.967	13.700	2.281	600		1	6.006	11.419	150
							0	6.007	11.419	150
SW36	1633407.766	405946.280	13.700	2.354	600		1	6.007	11.346	150
							0	6.008	11.346	150
SW37	1633411.319	405930.468	13.400	2.216	1050		1	10.000	12.642	100
							2	6.008	11.184	150
							0	6.009	11.184	150
SW38	1633412.632	405930.955	13.400	0.730	315		0	10.000	12.670	100
SW39	1633416.492	405913.872	13.000	0.700	315		0	11.000	12.300	100

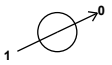
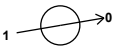
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Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
SW40	1633417.024	405905.218	12.800	2.562	1000		1	17.002	10.238	100
							2	12.000	12.178	100
							3	6.010	10.904	225
SW41	1633417.751	405907.202	12.800	0.580	315		0	12.000	12.220	100
SW42	1633380.049	405939.127	13.320	0.500			0	13.000	12.820	100
SW43	1633383.602	405938.721	13.320	1.020	600		1	13.000	12.748	100
							0	13.001	12.300	100
SW44	1633385.566	405929.929	13.320	1.110	600		1	13.001	12.210	100
							0	13.002	12.210	100
SW45	1633386.687	405924.909	13.300	1.141	600		1	13.002	12.159	100
							0	13.003	12.159	100
SW46	1633389.321	405913.118	13.300	1.262	600		1	13.003	12.038	100
							0	13.004	12.038	100
SW47	1633392.387	405899.394	13.000	1.855	600		1	15.003	11.145	100
							2	14.000	11.761	100
							3	13.004	11.792	100
							0	17.000	11.145	100
SW48	1633380.405	405906.476	12.400	0.500			0	14.000	11.900	100
SW49	1633373.811	405873.339	12.400	0.500			0	15.000	11.900	100
SW50	1633380.870	405866.393	12.400	0.599	450		1	15.000	11.801	100
							0	15.001	11.801	100
SW51	1633393.482	405869.196	12.400	0.728	450		1	15.001	11.672	100
							0	15.002	11.672	100
SW52	1633392.590	405893.851	12.700	1.500	600		1	16.001	11.200	100
							2	15.002	11.200	100
							0	15.003	11.200	100

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Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
SW53	1633383.074	405889.313	12.400	0.500			0	16.000	11.900	100
SW54	1633386.152	405890.789	12.400	1.129	600	1	16.000	11.866	100
							0	16.001	11.271	100
SW55	1633407.005	405901.874	13.000	2.003	300	1	17.000	10.997	100
							0	17.001	10.997	100
SW56	1633408.245	405902.085	13.000	2.706		1	17.001	10.984	100
										
SW57	1633412.447	405904.507	12.800	2.516	600		0	17.002	10.284	100

Simulation Settings

Rainfall Methodology	FEH-22	Skip Steady State	x	1 year (l/s)	0.1
Rainfall Events	Singular	Drain Down Time (mins)	240	30 year (l/s)	0.2
Summer CV	1.000	Additional Storage (m³/ha)	0.0	100 year (l/s)	0.2
Winter CV	1.000	Starting Level (m)		Check Discharge Volume	x
Analysis Speed	Detailed	Check Discharge Rate(s)	✓		

Storm Durations

15	60	180	360	600	960	2160	4320	7200	10080
30	120	240	480	720	1440	2880	5760	8640	

Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
2	45	0	0
30	45	0	0
100	45	0	0

Pre-development Discharge Rate

Site Makeup	Greenfield	Growth Factor 30 year	2.40
Greenfield Method	IH124	Growth Factor 100 year	3.19
Positively Drained Area (ha)	0.386	Betterment (%)	0
SAAR (mm)	779	QBar	0.1
Soil Index	1	Q 1 year (l/s)	0.1
SPR	0.10	Q 30 year (l/s)	0.2
Region	7	Q 100 year (l/s)	0.2
Growth Factor 1 year	0.85		

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Node SW1 Online Orifice Control

Flap Valve	x	Design Depth (m)	0.600	Discharge Coefficient	0.600
Replaces Downstream Link	x	Design Flow (l/s)	0.2		
Invert Level (m)	12.890	Diameter (m)	0.012		

Node SW9 Online Orifice Control

Flap Valve	x	Invert Level (m)	12.243	Discharge Coefficient	0.600
Replaces Downstream Link	x	Diameter (m)	0.009		

Node SW14 Online Orifice Control

Flap Valve	x	Invert Level (m)	13.120	Discharge Coefficient	0.600
Replaces Downstream Link	x	Diameter (m)	0.010		

Node SW18 Online Orifice Control

Flap Valve	x	Invert Level (m)	12.870	Discharge Coefficient	0.600
Replaces Downstream Link	x	Diameter (m)	0.010		

Node SW20 Online Orifice Control

Flap Valve	x	Invert Level (m)	12.570	Discharge Coefficient	0.600
Replaces Downstream Link	x	Diameter (m)	0.010		

Node SW22 Online Orifice Control

Flap Valve	x	Invert Level (m)	11.960	Discharge Coefficient	0.600
Replaces Downstream Link	x	Diameter (m)	0.010		

Node SW32 Online Orifice Control

Flap Valve	x	Invert Level (m)	11.654	Discharge Coefficient	0.600
Replaces Downstream Link	x	Diameter (m)	0.009		

Node SW34 Online Orifice Control

Flap Valve	x	Invert Level (m)	13.350	Discharge Coefficient	0.600
Replaces Downstream Link	x	Diameter (m)	0.010		

Node SW38 Online Orifice Control

Flap Valve	x	Invert Level (m)	12.670	Discharge Coefficient	0.600
Replaces Downstream Link	x	Diameter (m)	0.012		

Node SW39 Online Orifice Control

Flap Valve	x	Invert Level (m)	12.300	Discharge Coefficient	0.600
Replaces Downstream Link	x	Diameter (m)	0.009		

Node SW41 Online Orifice Control

Flap Valve	x	Invert Level (m)	12.220	Discharge Coefficient	0.600
Replaces Downstream Link	x	Diameter (m)	0.010		

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Node SW57 Online Orifice Control

Flap Valve	x	Invert Level (m)	10.284	Discharge Coefficient	0.600
Replaces Downstream Link	x	Diameter (m)	0.009		

Node SW40 Online Pump Control

Flap Valve	x	Invert Level (m)	10.238	Switch off depth (m)	0.000
Replaces Downstream Link	✓	Switch on depth (m)	0.001		

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.001	1.800	2.562	1.800

Node SW1 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	12.890	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)		Depth (m)	0.580
Safety Factor	2.0	Width (m)	54.400	Inf Depth (m)	
Porosity	0.30	Length (m)	10.000		

Node SW9 Flow through Pond Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Main Channel Length (m)	6.009
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	12.243	Main Channel Slope (1:X)	500.0
Safety Factor	2.0	Time to half empty (mins)		Main Channel n	0.012

Inlets

SW8 | SW11

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	18.0	0.0	0.800	18.0	0.0	0.801	0.0	0.0

Node SW14 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	13.120	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)		Depth (m)	0.450
Safety Factor	2.0	Width (m)	11.800	Inf Depth (m)	
Porosity	0.30	Length (m)	10.000		

Node SW18 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	12.870	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)		Depth (m)	0.500
Safety Factor	2.0	Width (m)	71.300	Inf Depth (m)	
Porosity	0.30	Length (m)	10.000		

Node SW20 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	12.570	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)		Depth (m)	0.400
Safety Factor	2.0	Width (m)	12.600	Inf Depth (m)	
Porosity	0.30	Length (m)	10.000		

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Node SW22 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	11.960	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)		Depth (m)	0.410
Safety Factor	2.0	Width (m)	20.300	Inf Depth (m)	
Porosity	0.30	Length (m)	10.000		

Node SW32 Flow through Pond Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Main Channel Length (m)	2.032
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	11.654	Main Channel Slope (1:X)	500.0
Safety Factor	2.0	Time to half empty (mins)		Main Channel n	0.012

Inlets

SW31

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	34.0	0.0	0.800	34.0	0.0	0.801	0.0	0.0

Node SW34 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	13.350	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)		Depth (m)	0.420
Safety Factor	2.0	Width (m)	32.600	Inf Depth (m)	
Porosity	0.30	Length (m)	10.000		

Node SW38 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	12.670	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)		Depth (m)	0.600
Safety Factor	2.0	Width (m)	15.100	Inf Depth (m)	
Porosity	0.30	Length (m)	10.000		

Node SW39 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	12.300	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)		Depth (m)	0.570
Safety Factor	2.0	Width (m)	13.100	Inf Depth (m)	
Porosity	0.30	Length (m)	10.000		

Node SW41 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	12.220	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)		Depth (m)	0.450
Safety Factor	2.0	Width (m)	16.400	Inf Depth (m)	
Porosity	0.30	Length (m)	10.000		

Node SW57 Flow through Pond Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Main Channel Length (m)	4.828
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	10.284	Main Channel Slope (1:X)	500.0
Safety Factor	2.0	Time to half empty (mins)		Main Channel n	0.012

Inlets

SW56

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Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	36.0	0.0	0.800	36.0	0.0	0.801	0.0	0.0

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Results for 2 year +45% CC Critical Storm Duration. Lowest mass balance: 99.58%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	SW1	6540	13.195	0.305	0.6	48.9356	0.0000	SURCHARGED
10080 minute summer	SW2	6540	12.592	0.010	0.2	0.0030	0.0000	OK
10080 minute summer	SW3	6540	12.454	0.010	0.2	0.0027	0.0000	OK
2160 minute winter	SW4	1500	12.241	0.012	0.2	0.0000	0.0000	OK
15 minute summer	SW5	10	13.146	0.046	2.5	0.0000	0.0000	OK
15 minute summer	SW6	10	13.078	0.046	2.5	0.0073	0.0000	OK
15 minute summer	SW7	11	12.991	0.048	2.4	0.0034	0.0000	OK
360 minute summer	SW8	360	12.512	0.257	0.6	0.0000	0.0000	OK
360 minute summer	SW9	360	12.512	0.269	0.5	0.0761	0.0000	SURCHARGED
15 minute summer	SW10	11	13.143	0.023	1.6	0.0000	0.0000	OK
360 minute summer	SW11	360	12.512	0.257	0.4	0.0000	0.0000	OK
2160 minute winter	SW12	1500	11.885	0.012	0.2	0.0033	0.0000	OK
960 minute winter	SW13	915	11.644	0.015	0.5	0.0132	0.0000	OK
960 minute summer	SW14	930	13.299	0.179	0.6	6.1609	0.0000	SURCHARGED
960 minute summer	SW15	930	12.900	0.008	0.1	0.0024	0.0000	OK
960 minute summer	SW16	930	12.830	0.008	0.1	0.0024	0.0000	OK
10080 minute winter	SW17	6360	12.686	0.009	0.2	0.0080	0.0000	OK
10080 minute summer	SW18	6540	13.138	0.268	0.6	56.3000	0.0000	SURCHARGED
10080 minute winter	SW19	6300	12.564	0.011	0.3	0.0031	0.0000	OK
960 minute summer	SW20	885	12.731	0.161	0.5	5.9250	0.0000	SURCHARGED
960 minute winter	SW21	915	11.574	0.016	0.5	0.0045	0.0000	OK
1440 minute summer	SW22	1440	12.130	0.170	0.6	10.0605	0.0000	SURCHARGED
600 minute winter	SW23	585	11.029	0.020	0.9	0.0057	0.0000	OK
15 minute summer	SW24	10	12.901	0.061	4.1	0.0000	0.0000	OK
15 minute summer	SW25	11	12.716	0.059	4.1	0.0168	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	SW1	1.000	SW2	0.2	0.311	0.009	0.0161	
10080 minute summer	SW2	1.001	SW3	0.2	0.325	0.009	0.0069	
10080 minute summer	SW3	1.002	SW4	0.2	0.327	0.008	0.0090	
2160 minute winter	SW4	1.008	SW12	0.2	0.345	0.012	0.0227	
15 minute summer	SW5	1.003	SW6	2.5	0.704	0.408	0.0238	
15 minute summer	SW6	1.004	SW7	2.4	0.675	0.402	0.0318	
15 minute summer	SW7	1.005	SW8	2.4	0.684	0.400	0.0037	
360 minute summer	SW8	Flow through Pond	SW9	0.5	0.010	0.000	4.4924	
360 minute summer	SW9	1.007	SW4	0.1	0.214	0.014	0.0006	
15 minute summer	SW10	1.006	SW11	1.6	1.189	0.114	0.0045	
360 minute summer	SW11	Flow through Pond	SW9	0.5	0.010	0.000	4.4924	
2160 minute winter	SW12	1.009	SW13	0.2	0.282	0.012	0.0191	
960 minute winter	SW13	1.010	SW21	0.5	0.388	0.009	0.0085	
960 minute summer	SW14	2.000	SW15	0.1	0.275	0.014	0.0071	
960 minute summer	SW15	2.001	SW16	0.1	0.275	0.014	0.0022	
960 minute summer	SW16	2.002	SW17	0.1	0.266	0.014	0.0047	
10080 minute winter	SW17	2.003	SW19	0.2	0.367	0.007	0.0031	
10080 minute summer	SW18	3.000	SW17	0.1	0.342	0.004	0.0003	
10080 minute winter	SW19	2.004	SW13	0.3	0.459	0.010	0.0030	
960 minute summer	SW20	4.000	SW19	0.1	0.217	0.014	0.0006	
960 minute winter	SW21	1.011	SW23	0.5	0.366	0.010	0.0755	
1440 minute summer	SW22	5.000	SW21	0.1	0.179	0.009	0.0077	
600 minute winter	SW23	6.010	SW40	0.9	0.540	0.016	0.0144	
15 minute summer	SW24	6.000	SW25	4.1	0.825	0.673	0.0901	
15 minute summer	SW25	6.001	SW26	4.0	0.744	0.662	0.1173	

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Results for 2 year +45% CC Critical Storm Duration. Lowest mass balance: 99.58%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW26	11	12.511	0.071	4.8	0.0000	0.0000	OK
15 minute summer	SW27	11	12.814	0.014	0.8	0.0000	0.0000	OK
15 minute summer	SW28	11	12.450	0.072	6.6	0.0625	0.0000	OK
15 minute summer	SW29	10	12.870	0.040	1.9	0.0000	0.0000	OK
15 minute summer	SW30	11	12.409	0.067	6.7	0.0585	0.0000	OK
960 minute winter	SW31	900	11.935	0.277	0.6	0.0000	0.0000	OK
960 minute winter	SW32	900	11.935	0.281	0.3	0.0796	0.0000	SURCHARGED
2160 minute summer	SW33	1500	11.580	0.011	0.2	0.0091	0.0000	OK
10080 minute summer	SW34	6900	13.541	0.191	0.3	18.1586	0.0000	SURCHARGED
2160 minute summer	SW35	1500	11.430	0.011	0.2	0.0030	0.0000	OK
2160 minute summer	SW36	1500	11.356	0.010	0.2	0.0030	0.0000	OK
600 minute winter	SW37	585	11.198	0.014	0.3	0.0120	0.0000	OK
600 minute winter	SW38	570	12.900	0.230	0.9	10.1948	0.0000	SURCHARGED
1440 minute summer	SW39	1350	12.529	0.229	0.5	8.8143	0.0000	SURCHARGED
15 minute summer	SW40	8	10.239	0.001	0.6	0.0008	0.0000	OK
1440 minute summer	SW41	1350	12.397	0.177	0.5	8.4689	0.0000	SURCHARGED
15 minute summer	SW42	10	12.853	0.033	1.9	0.0000	0.0000	OK
15 minute summer	SW43	10	12.339	0.039	1.9	0.0112	0.0000	OK
15 minute summer	SW44	11	12.250	0.040	1.9	0.0114	0.0000	OK
15 minute summer	SW45	10	12.210	0.051	2.9	0.0144	0.0000	OK
15 minute summer	SW46	11	12.085	0.047	3.4	0.0133	0.0000	OK
15 minute summer	SW47	12	11.270	0.125	6.5	0.0354	0.0000	SURCHARGED
15 minute summer	SW48	11	11.925	0.025	0.8	0.0000	0.0000	OK
15 minute summer	SW49	10	11.929	0.029	1.1	0.0000	0.0000	OK
15 minute summer	SW50	10	11.837	0.036	1.6	0.0058	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	SW26	6.002	SW28	4.8	0.803	0.800	0.0372	
15 minute summer	SW27	7.000	SW26	0.8	0.641	0.043	0.0128	
15 minute summer	SW28	6.003	SW30	6.7	0.831	0.376	0.0289	
15 minute summer	SW29	8.000	SW28	1.9	0.667	0.311	0.0138	
15 minute summer	SW30	6.004	SW31	6.7	0.903	0.376	0.0284	
960 minute winter	SW31	Flow through Pond	SW32	0.3	0.001	0.000	9.0246	
960 minute winter	SW32	6.005	SW33	0.1	0.274	0.015	0.0011	
2160 minute summer	SW33	6.006	SW35	0.2	0.316	0.010	0.0081	
10080 minute summer	SW34	9.000	SW33	0.1	0.347	0.010	0.0004	
2160 minute summer	SW35	6.007	SW36	0.2	0.316	0.010	0.0039	
2160 minute summer	SW36	6.008	SW37	0.2	0.256	0.010	0.0108	
600 minute winter	SW37	6.009	SW23	0.3	0.283	0.017	0.0194	
600 minute winter	SW38	10.000	SW37	0.1	0.397	0.016	0.0005	
1440 minute summer	SW39	11.000	SW23	0.1	0.334	0.009	0.0003	
15 minute summer	SW40	Pump		0.6				8.3
1440 minute summer	SW41	12.000	SW40	0.1	0.344	0.010	0.0005	
15 minute summer	SW42	13.000	SW43	1.9	0.856	0.220	0.0079	
15 minute summer	SW43	13.001	SW44	1.9	0.643	0.309	0.0261	
15 minute summer	SW44	13.002	SW45	1.9	0.537	0.307	0.0178	
15 minute summer	SW45	13.003	SW46	2.9	0.767	0.480	0.0459	
15 minute summer	SW46	13.004	SW47	3.4	0.963	0.427	0.0499	
15 minute summer	SW47	17.000	SW55	6.3	0.827	1.048	0.1138	
15 minute summer	SW48	14.000	SW47	0.8	0.533	0.133	0.0209	
15 minute summer	SW49	15.000	SW50	1.1	0.490	0.178	0.0218	
15 minute summer	SW50	15.001	SW51	1.6	0.703	0.257	0.0287	

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Results for 2 year +45% CC Critical Storm Duration. Lowest mass balance: 99.58%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW51	11	11.701	0.029	1.6	0.0047	0.0000	OK
15 minute summer	SW52	12	11.280	0.080	2.9	0.0227	0.0000	OK
15 minute summer	SW53	10	11.934	0.034	1.4	0.0000	0.0000	OK
15 minute summer	SW54	10	11.303	0.032	1.4	0.0091	0.0000	OK
15 minute summer	SW55	12	11.089	0.092	6.3	0.0065	0.0000	OK
480 minute winter	SW56	392	10.540	0.247	1.2	0.0000	0.0000	OK
480 minute winter	SW57	392	10.541	0.257	0.6	0.0726	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	SW51	15.002	SW52	1.6	0.545	0.186	0.1051	
15 minute summer	SW52	15.003	SW47	2.8	0.472	0.465	0.0403	
15 minute summer	SW53	16.000	SW54	1.4	0.609	0.228	0.0077	
15 minute summer	SW54	16.001	SW52	1.4	0.470	0.224	0.0310	
15 minute summer	SW55	17.001	SW56	6.3	0.878	1.047	0.0090	
480 minute winter	SW56	Flow through Pond	SW57	0.6	0.005	0.000	8.6096	
480 minute winter	SW57	17.002	SW40	0.1	0.537	0.014	0.0009	

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Results for 30 year +45% CC Critical Storm Duration. Lowest mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	SW1	6480	13.373	0.483	0.9	78.1225	0.0000	FLOOD RISK
10080 minute summer	SW2	6480	12.594	0.012	0.2	0.0033	0.0000	OK
10080 minute summer	SW3	6480	12.455	0.011	0.2	0.0031	0.0000	OK
720 minute winter	SW4	705	12.243	0.014	0.3	0.0000	0.0000	OK
15 minute summer	SW5	10	13.191	0.091	6.2	0.0000	0.0000	OK
15 minute summer	SW6	11	13.127	0.095	6.1	0.0150	0.0000	OK
15 minute summer	SW7	11	13.033	0.090	6.0	0.0064	0.0000	OK
720 minute winter	SW8	690	12.819	0.564	0.5	0.0000	0.0000	OK
720 minute winter	SW9	690	12.819	0.576	0.4	0.1629	0.0000	SURCHARGED
15 minute summer	SW10	10	13.157	0.037	4.1	0.0000	0.0000	OK
720 minute winter	SW11	690	12.819	0.564	0.3	0.0000	0.0000	OK
720 minute winter	SW12	705	11.887	0.014	0.3	0.0040	0.0000	OK
720 minute winter	SW13	705	11.647	0.018	0.7	0.0158	0.0000	OK
600 minute summer	SW14	570	13.476	0.356	1.5	12.4606	0.0000	FLOOD RISK
600 minute summer	SW15	570	12.902	0.010	0.1	0.0028	0.0000	OK
600 minute summer	SW16	570	12.832	0.010	0.1	0.0028	0.0000	OK
720 minute winter	SW17	705	12.687	0.010	0.2	0.0090	0.0000	OK
10080 minute summer	SW18	7080	13.292	0.422	0.9	89.2206	0.0000	FLOOD RISK
720 minute winter	SW19	705	12.566	0.013	0.4	0.0036	0.0000	OK
600 minute winter	SW20	585	12.891	0.321	1.0	11.9787	0.0000	FLOOD RISK
720 minute winter	SW21	705	11.577	0.019	0.8	0.0054	0.0000	OK
600 minute winter	SW22	600	12.277	0.317	1.5	19.0535	0.0000	FLOOD RISK
720 minute winter	SW23	705	11.033	0.024	1.3	0.0068	0.0000	OK
15 minute summer	SW24	11	13.340	0.500	10.4	0.0000	0.0000	FLOOD RISK
15 minute summer	SW25	13	13.046	0.389	8.3	0.1101	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	SW1	1.000	SW2	0.2	0.335	0.012	0.0190	
10080 minute summer	SW2	1.001	SW3	0.2	0.349	0.012	0.0081	
10080 minute summer	SW3	1.002	SW4	0.2	0.347	0.010	0.0112	
720 minute winter	SW4	1.008	SW12	0.3	0.387	0.018	0.0294	
15 minute summer	SW5	1.003	SW6	6.1	0.823	1.003	0.0515	
15 minute summer	SW6	1.004	SW7	6.0	0.801	0.998	0.0666	
15 minute summer	SW7	1.005	SW8	6.0	0.854	0.998	0.0073	
720 minute winter	SW8	Flow through Pond	SW9	0.4	0.007	0.000	9.7424	
720 minute winter	SW9	1.007	SW4	0.1	0.239	0.021	0.0007	
15 minute summer	SW10	1.006	SW11	4.1	1.551	0.291	0.0088	
720 minute winter	SW11	Flow through Pond	SW9	0.4	0.007	0.000	9.7424	
720 minute winter	SW12	1.009	SW13	0.3	0.316	0.018	0.0248	
720 minute winter	SW13	1.010	SW21	0.7	0.435	0.013	0.0110	
600 minute summer	SW14	2.000	SW15	0.1	0.305	0.020	0.0092	
600 minute summer	SW15	2.001	SW16	0.1	0.305	0.020	0.0028	
600 minute summer	SW16	2.002	SW17	0.1	0.298	0.020	0.0060	
720 minute winter	SW17	2.003	SW19	0.2	0.385	0.009	0.0037	
10080 minute summer	SW18	3.000	SW17	0.1	0.365	0.005	0.0004	
720 minute winter	SW19	2.004	SW13	0.4	0.502	0.014	0.0036	
600 minute winter	SW20	4.000	SW19	0.1	0.245	0.019	0.0008	
720 minute winter	SW21	1.011	SW23	0.8	0.408	0.015	0.0982	
600 minute winter	SW22	5.000	SW21	0.1	0.189	0.012	0.0098	
720 minute winter	SW23	6.010	SW40	1.3	0.601	0.023	0.0188	
15 minute summer	SW24	6.000	SW25	8.3	1.062	1.377	0.1432	
15 minute summer	SW25	6.001	SW26	7.7	0.984	1.276	0.1699	

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Results for 30 year +45% CC Critical Storm Duration. Lowest mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW26	12	12.661	0.221	9.2	0.0000	0.0000	SURCHARGED
15 minute summer	SW27	10	12.823	0.023	2.1	0.0000	0.0000	OK
15 minute summer	SW28	11	12.493	0.115	13.3	0.0996	0.0000	OK
15 minute summer	SW29	10	12.901	0.071	4.8	0.0000	0.0000	OK
15 minute summer	SW30	11	12.445	0.103	13.2	0.0896	0.0000	OK
720 minute winter	SW31	705	12.246	0.588	1.4	0.0000	0.0000	OK
720 minute winter	SW32	705	12.246	0.592	0.8	0.1676	0.0000	SURCHARGED
960 minute winter	SW33	930	11.581	0.012	0.2	0.0108	0.0000	OK
7200 minute summer	SW34	4620	13.680	0.330	0.5	31.8268	0.0000	FLOOD RISK
960 minute winter	SW35	930	11.432	0.013	0.2	0.0035	0.0000	OK
960 minute winter	SW36	930	11.358	0.012	0.2	0.0035	0.0000	OK
720 minute winter	SW37	705	11.200	0.016	0.4	0.0143	0.0000	OK
720 minute winter	SW38	675	13.144	0.474	1.5	21.3024	0.0000	FLOOD RISK
960 minute winter	SW39	900	12.746	0.446	0.9	17.3645	0.0000	FLOOD RISK
720 minute winter	SW40	705	10.239	0.001	1.6	0.0007	0.0000	OK
960 minute winter	SW41	900	12.570	0.350	0.9	17.0179	0.0000	FLOOD RISK
15 minute summer	SW42	10	12.877	0.057	4.8	0.0000	0.0000	OK
15 minute summer	SW43	11	12.377	0.077	4.8	0.0219	0.0000	OK
15 minute summer	SW44	12	12.333	0.123	4.8	0.0349	0.0000	SURCHARGED
15 minute summer	SW45	11	12.297	0.138	7.0	0.0390	0.0000	SURCHARGED
15 minute summer	SW46	11	12.128	0.090	8.0	0.0256	0.0000	OK
15 minute summer	SW47	13	11.820	0.675	12.5	0.1909	0.0000	SURCHARGED
15 minute summer	SW48	10	11.941	0.041	2.1	0.0000	0.0000	OK
15 minute summer	SW49	10	11.947	0.047	2.8	0.0000	0.0000	OK
15 minute summer	SW50	13	11.877	0.076	4.2	0.0121	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	SW26	6.002	SW28	9.2	1.171	1.517	0.0484	
15 minute summer	SW27	7.000	SW26	2.1	0.819	0.112	0.0176	
15 minute summer	SW28	6.003	SW30	13.2	0.962	0.744	0.0493	
15 minute summer	SW29	8.000	SW28	4.8	0.830	0.789	0.0282	
15 minute summer	SW30	6.004	SW31	13.2	1.059	0.741	0.0476	
720 minute winter	SW31	Flow through Pond	SW32	0.8	0.001	0.000	19.0684	
720 minute winter	SW32	6.005	SW33	0.1	0.306	0.021	0.0015	
960 minute winter	SW33	6.006	SW35	0.2	0.353	0.014	0.0104	
7200 minute summer	SW34	9.000	SW33	0.1	0.378	0.014	0.0005	
960 minute winter	SW35	6.007	SW36	0.2	0.354	0.014	0.0050	
960 minute winter	SW36	6.008	SW37	0.2	0.285	0.014	0.0140	
720 minute winter	SW37	6.009	SW23	0.4	0.314	0.025	0.0252	
720 minute winter	SW38	10.000	SW37	0.2	0.441	0.024	0.0007	
960 minute winter	SW39	11.000	SW23	0.1	0.370	0.013	0.0004	
720 minute winter	SW40	Pump		1.6				65.2
960 minute winter	SW41	12.000	SW40	0.1	0.383	0.014	0.0007	
15 minute summer	SW42	13.000	SW43	4.8	1.081	0.556	0.0158	
15 minute summer	SW43	13.001	SW44	4.8	0.752	0.789	0.0645	
15 minute summer	SW44	13.002	SW45	4.4	0.584	0.731	0.0402	
15 minute summer	SW45	13.003	SW46	6.8	0.870	1.126	0.0922	
15 minute summer	SW46	13.004	SW47	8.0	1.127	1.000	0.1042	
15 minute summer	SW47	17.000	SW55	11.7	1.498	1.941	0.1160	
15 minute summer	SW48	14.000	SW47	2.1	0.694	0.344	0.0465	
15 minute summer	SW49	15.000	SW50	2.8	0.616	0.458	0.0444	
15 minute summer	SW50	15.001	SW51	4.1	0.898	0.679	0.0918	

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Results for 30 year +45% CC Critical Storm Duration. Lowest mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW51	13	11.866	0.194	4.1	0.0308	0.0000	SURCHARGED
15 minute summer	SW52	13	11.842	0.642	4.8	0.1816	0.0000	SURCHARGED
15 minute summer	SW53	10	11.957	0.057	3.5	0.0000	0.0000	OK
15 minute summer	SW54	13	11.849	0.578	3.5	0.1635	0.0000	SURCHARGED
15 minute summer	SW55	13	11.159	0.162	11.7	0.0115	0.0000	SURCHARGED
480 minute winter	SW56	464	10.877	0.583	1.9	0.0000	0.0000	OK
480 minute winter	SW57	464	10.877	0.593	1.0	0.1680	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	SW51	15.002	SW52	4.0	0.595	0.473	0.1930	
15 minute summer	SW52	15.003	SW47	6.2	0.792	1.026	0.0434	
15 minute summer	SW53	16.000	SW54	3.5	0.771	0.574	0.0153	
15 minute summer	SW54	16.001	SW52	2.6	0.495	0.432	0.0558	
15 minute summer	SW55	17.001	SW56	11.7	1.493	1.935	0.0097	
480 minute winter	SW56	Flow through Pond	SW57	1.0	0.007	0.000	20.1306	
480 minute winter	SW57	17.002	SW40	0.1	0.581	0.021	0.0016	

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Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.60%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	SW1	5820	13.470	0.580	1.2	93.9273	0.0000	FLOOD RISK
8640 minute summer	SW2	5820	12.594	0.012	0.2	0.0034	0.0000	OK
8640 minute summer	SW3	5820	12.455	0.011	0.2	0.0032	0.0000	OK
960 minute winter	SW4	930	12.244	0.015	0.4	0.0000	0.0000	OK
15 minute summer	SW5	11	13.298	0.198	7.8	0.0000	0.0000	SURCHARGED
15 minute summer	SW6	12	13.186	0.154	7.2	0.0245	0.0000	SURCHARGED
15 minute summer	SW7	12	13.045	0.102	6.9	0.0072	0.0000	SURCHARGED
960 minute winter	SW8	900	12.963	0.708	0.5	0.0000	0.0000	OK
960 minute winter	SW9	900	12.963	0.720	0.4	0.2037	0.0000	SURCHARGED
15 minute summer	SW10	10	13.162	0.042	5.2	0.0000	0.0000	OK
960 minute winter	SW11	900	12.963	0.708	0.3	0.0000	0.0000	OK
960 minute winter	SW12	930	11.888	0.015	0.4	0.0042	0.0000	OK
960 minute winter	SW13	930	11.648	0.019	0.8	0.0167	0.0000	OK
960 minute winter	SW14	900	13.568	0.448	0.9	15.7230	0.0000	FLOOD RISK
960 minute winter	SW15	900	12.903	0.011	0.1	0.0030	0.0000	OK
960 minute winter	SW16	900	12.833	0.011	0.1	0.0030	0.0000	OK
960 minute winter	SW17	945	12.688	0.011	0.3	0.0095	0.0000	OK
10080 minute summer	SW18	7380	13.370	0.500	1.0	105.9005	0.0000	FLOOD RISK
720 minute winter	SW19	705	12.566	0.013	0.4	0.0038	0.0000	OK
720 minute summer	SW20	675	12.966	0.396	1.6	14.8025	0.0000	FLOOD RISK
960 minute winter	SW21	930	11.578	0.020	0.9	0.0057	0.0000	OK
1440 minute winter	SW22	1350	12.363	0.403	0.9	24.2914	0.0000	FLOOD RISK
960 minute winter	SW23	930	11.035	0.026	1.5	0.0072	0.0000	OK
15 minute summer	SW24	10	13.340	0.500	13.0	0.0000	0.0000	FLOOD RISK
15 minute summer	SW25	13	13.261	0.604	9.8	0.1710	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	SW1	1.000	SW2	0.2	0.345	0.013	0.0202	
8640 minute summer	SW2	1.001	SW3	0.2	0.359	0.013	0.0087	
8640 minute summer	SW3	1.002	SW4	0.2	0.356	0.011	0.0121	
960 minute winter	SW4	1.008	SW12	0.4	0.401	0.020	0.0320	
15 minute summer	SW5	1.003	SW6	7.2	0.916	1.188	0.0532	
15 minute summer	SW6	1.004	SW7	6.9	0.884	1.146	0.0693	
15 minute summer	SW7	1.005	SW8	6.9	0.914	1.151	0.0078	
960 minute winter	SW8	Flow through Pond	SW9	0.4	0.006	0.000	12.2017	
960 minute winter	SW9	1.007	SW4	0.1	0.247	0.024	0.0008	
15 minute summer	SW10	1.006	SW11	5.2	1.652	0.368	0.0104	
960 minute winter	SW11	Flow through Pond	SW9	0.4	0.006	0.000	12.2017	
960 minute winter	SW12	1.009	SW13	0.4	0.328	0.020	0.0270	
960 minute winter	SW13	1.010	SW21	0.8	0.451	0.015	0.0119	
960 minute winter	SW14	2.000	SW15	0.1	0.316	0.023	0.0100	
960 minute winter	SW15	2.001	SW16	0.1	0.316	0.023	0.0030	
960 minute winter	SW16	2.002	SW17	0.1	0.309	0.023	0.0065	
960 minute winter	SW17	2.003	SW19	0.3	0.403	0.011	0.0040	
10080 minute summer	SW18	3.000	SW17	0.1	0.374	0.006	0.0004	
720 minute winter	SW19	2.004	SW13	0.4	0.521	0.016	0.0040	
720 minute summer	SW20	4.000	SW19	0.1	0.251	0.021	0.0009	
960 minute winter	SW21	1.011	SW23	0.9	0.421	0.016	0.1065	
1440 minute winter	SW22	5.000	SW21	0.1	0.197	0.013	0.0106	
960 minute winter	SW23	6.010	SW40	1.5	0.621	0.026	0.0204	
15 minute summer	SW24	6.000	SW25	9.8	1.259	1.631	0.1432	
15 minute summer	SW25	6.001	SW26	8.9	1.142	1.480	0.1699	

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Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.60%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW26	12	12.734	0.294	10.6	0.0000	0.0000	SURCHARGED
15 minute summer	SW27	10	12.825	0.025	2.6	0.0000	0.0000	OK
15 minute summer	SW28	11	12.513	0.135	15.6	0.1165	0.0000	OK
15 minute summer	SW29	10	12.916	0.086	6.0	0.0000	0.0000	OK
15 minute summer	SW30	12	12.459	0.117	15.5	0.1017	0.0000	OK
960 minute summer	SW31	930	12.401	0.743	2.0	0.0000	0.0000	OK
960 minute summer	SW32	930	12.401	0.747	1.1	0.2114	0.0000	SURCHARGED
960 minute summer	SW33	945	11.582	0.013	0.3	0.0114	0.0000	OK
7200 minute summer	SW34	4740	13.767	0.417	0.6	40.3508	0.0000	FLOOD RISK
960 minute summer	SW35	945	11.432	0.013	0.3	0.0038	0.0000	OK
960 minute summer	SW36	945	11.359	0.013	0.3	0.0037	0.0000	OK
960 minute winter	SW37	930	11.201	0.017	0.5	0.0151	0.0000	OK
960 minute winter	SW38	900	13.259	0.589	1.5	26.5239	0.0000	FLOOD RISK
720 minute winter	SW39	705	12.860	0.560	1.5	21.8446	0.0000	FLOOD RISK
960 minute winter	SW40	930	10.239	0.001	1.8	0.0008	0.0000	OK
720 minute winter	SW41	705	12.662	0.442	1.5	21.5287	0.0000	FLOOD RISK
15 minute summer	SW42	10	12.886	0.066	6.0	0.0000	0.0000	OK
15 minute summer	SW43	12	12.515	0.215	6.0	0.0609	0.0000	SURCHARGED
15 minute summer	SW44	12	12.442	0.232	5.2	0.0657	0.0000	SURCHARGED
15 minute summer	SW45	12	12.400	0.241	7.7	0.0681	0.0000	SURCHARGED
15 minute summer	SW46	13	12.208	0.170	8.7	0.0480	0.0000	SURCHARGED
30 minute summer	SW47	21	11.932	0.787	13.4	0.2228	0.0000	SURCHARGED
15 minute summer	SW48	10	11.946	0.046	2.6	0.0000	0.0000	OK
30 minute summer	SW49	21	12.020	0.120	3.2	0.0000	0.0000	SURCHARGED
30 minute summer	SW50	22	12.015	0.214	4.8	0.0340	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	SW26	6.002	SW28	10.6	1.359	1.761	0.0484	
15 minute summer	SW27	7.000	SW26	2.6	0.927	0.139	0.0180	
15 minute summer	SW28	6.003	SW30	15.5	0.984	0.874	0.0565	
15 minute summer	SW29	8.000	SW28	5.9	0.859	0.985	0.0339	
15 minute summer	SW30	6.004	SW31	15.5	1.092	0.876	0.0546	
960 minute summer	SW31	Flow through Pond	SW32	1.1	0.001	0.000	24.0737	
960 minute summer	SW32	6.005	SW33	0.1	0.317	0.024	0.0016	
960 minute summer	SW33	6.006	SW35	0.3	0.367	0.015	0.0112	
7200 minute summer	SW34	9.000	SW33	0.1	0.392	0.016	0.0005	
960 minute summer	SW35	6.007	SW36	0.3	0.367	0.015	0.0055	
960 minute summer	SW36	6.008	SW37	0.3	0.295	0.015	0.0152	
960 minute winter	SW37	6.009	SW23	0.5	0.325	0.028	0.0273	
960 minute winter	SW38	10.000	SW37	0.2	0.454	0.027	0.0007	
720 minute winter	SW39	11.000	SW23	0.1	0.384	0.015	0.0005	
960 minute winter	SW40	Pump		1.8				90.2
720 minute winter	SW41	12.000	SW40	0.1	0.396	0.016	0.0007	
15 minute summer	SW42	13.000	SW43	6.0	1.134	0.696	0.0188	
15 minute summer	SW43	13.001	SW44	5.2	0.764	0.855	0.0705	
15 minute summer	SW44	13.002	SW45	4.7	0.599	0.776	0.0402	
15 minute summer	SW45	13.003	SW46	7.2	0.918	1.190	0.0945	
15 minute summer	SW46	13.004	SW47	8.3	1.088	1.036	0.1100	
30 minute summer	SW47	17.000	SW55	12.6	1.607	2.083	0.1160	
15 minute summer	SW48	14.000	SW47	2.6	0.734	0.427	0.0752	
30 minute summer	SW49	15.000	SW50	3.2	0.637	0.530	0.0775	
30 minute summer	SW50	15.001	SW51	4.7	0.898	0.772	0.1011	

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Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.60%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	SW51	22	11.998	0.326	4.7	0.0518	0.0000	SURCHARGED
30 minute summer	SW52	22	11.963	0.763	5.6	0.2159	0.0000	SURCHARGED
30 minute summer	SW53	21	11.973	0.073	4.0	0.0000	0.0000	OK
30 minute summer	SW54	21	11.971	0.700	4.0	0.1982	0.0000	SURCHARGED
30 minute summer	SW55	21	11.172	0.175	12.6	0.0124	0.0000	SURCHARGED
600 minute winter	SW56	585	11.055	0.761	2.1	0.0000	0.0000	OK
600 minute winter	SW57	585	11.055	0.771	1.1	0.2183	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	SW51	15.002	SW52	3.8	0.579	0.456	0.1930	
30 minute summer	SW52	15.003	SW47	6.8	0.875	1.134	0.0434	
30 minute summer	SW53	16.000	SW54	4.0	0.797	0.663	0.0239	
30 minute summer	SW54	16.001	SW52	2.5	0.489	0.415	0.0558	
30 minute summer	SW55	17.001	SW56	12.6	1.606	2.082	0.0097	
600 minute winter	SW56	Flow through Pond	SW57	1.1	0.002	0.000	26.0837	
600 minute winter	SW57	17.002	SW40	0.1	0.579	0.024	0.0017	

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Results for 2 year +45% CC 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.58%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW1	20	12.952	0.062	21.9	9.3857	0.0000	OK
15 minute summer	SW2	23	12.589	0.007	0.1	0.0020	0.0000	OK
15 minute summer	SW3	25	12.451	0.007	0.1	0.0019	0.0000	OK
15 minute summer	SW4	23	12.238	0.009	0.1	0.0000	0.0000	OK
15 minute summer	SW5	10	13.146	0.046	2.5	0.0000	0.0000	OK
15 minute summer	SW6	10	13.078	0.046	2.5	0.0073	0.0000	OK
15 minute summer	SW7	11	12.991	0.048	2.4	0.0034	0.0000	OK
15 minute summer	SW8	23	12.339	0.084	2.4	0.0000	0.0000	OK
15 minute summer	SW9	23	12.339	0.096	2.2	0.0271	0.0000	OK
15 minute summer	SW10	11	13.143	0.023	1.6	0.0000	0.0000	OK
15 minute summer	SW11	22	12.339	0.084	1.6	0.0000	0.0000	OK
15 minute summer	SW12	28	11.882	0.009	0.1	0.0025	0.0000	OK
15 minute summer	SW13	27	11.641	0.012	0.3	0.0100	0.0000	OK
15 minute summer	SW14	20	13.180	0.060	4.6	1.9499	0.0000	OK
15 minute summer	SW15	23	12.898	0.006	0.0	0.0018	0.0000	OK
15 minute summer	SW16	25	12.828	0.006	0.0	0.0018	0.0000	OK
15 minute summer	SW17	25	12.684	0.007	0.1	0.0058	0.0000	OK
15 minute summer	SW18	20	12.917	0.047	20.8	8.9437	0.0000	OK
15 minute summer	SW19	25	12.561	0.008	0.1	0.0023	0.0000	OK
15 minute summer	SW20	20	12.624	0.054	4.4	1.8589	0.0000	OK
15 minute summer	SW21	29	11.570	0.012	0.3	0.0034	0.0000	OK
15 minute summer	SW22	20	12.011	0.051	6.6	2.8043	0.0000	OK
15 minute summer	SW23	30	11.024	0.015	0.5	0.0043	0.0000	OK
15 minute summer	SW24	10	12.901	0.061	4.1	0.0000	0.0000	OK
15 minute summer	SW25	11	12.716	0.059	4.1	0.0168	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	SW1	1.000	SW2	0.1	0.256	0.004	0.0090	
15 minute summer	SW2	1.001	SW3	0.1	0.275	0.004	0.0038	
15 minute summer	SW3	1.002	SW4	0.1	0.209	0.004	0.0057	
15 minute summer	SW4	1.008	SW12	0.1	0.324	0.007	0.0151	
15 minute summer	SW5	1.003	SW6	2.5	0.704	0.408	0.0238	
15 minute summer	SW6	1.004	SW7	2.4	0.675	0.402	0.0318	
15 minute summer	SW7	1.005	SW8	2.4	0.684	0.400	0.0037	
15 minute summer	SW8	Flow through Pond	SW9	2.2	0.056	0.001	1.5356	
15 minute summer	SW9	1.007	SW4	0.1	0.285	0.008	0.0004	
15 minute summer	SW10	1.006	SW11	1.6	1.189	0.114	0.0045	
15 minute summer	SW11	Flow through Pond	SW9	2.2	0.056	0.001	1.5356	
15 minute summer	SW12	1.009	SW13	0.1	0.236	0.007	0.0127	
15 minute summer	SW13	1.010	SW21	0.3	0.329	0.005	0.0056	
15 minute summer	SW14	2.000	SW15	0.0	0.255	0.008	0.0048	
15 minute summer	SW15	2.001	SW16	0.0	0.283	0.008	0.0015	
15 minute summer	SW16	2.002	SW17	0.0	0.225	0.008	0.0031	
15 minute summer	SW17	2.003	SW19	0.1	0.288	0.004	0.0019	
15 minute summer	SW18	3.000	SW17	0.0	0.266	0.002	0.0002	
15 minute summer	SW19	2.004	SW13	0.1	0.376	0.005	0.0019	
15 minute summer	SW20	4.000	SW19	0.0	0.248	0.008	0.0004	
15 minute summer	SW21	1.011	SW23	0.3	0.307	0.006	0.0502	
15 minute summer	SW22	5.000	SW21	0.0	0.352	0.005	0.0051	
15 minute summer	SW23	6.010	SW40	0.5	0.451	0.009	0.0096	
15 minute summer	SW24	6.000	SW25	4.1	0.825	0.673	0.0901	
15 minute summer	SW25	6.001	SW26	4.0	0.744	0.662	0.1173	

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Results for 2 year +45% CC 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.58%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW26	11	12.511	0.071	4.8	0.0000	0.0000	OK
15 minute summer	SW27	11	12.814	0.014	0.8	0.0000	0.0000	OK
15 minute summer	SW28	11	12.450	0.072	6.6	0.0625	0.0000	OK
15 minute summer	SW29	10	12.870	0.040	1.9	0.0000	0.0000	OK
15 minute summer	SW30	11	12.409	0.067	6.7	0.0585	0.0000	OK
15 minute summer	SW31	26	11.744	0.085	6.7	0.0000	0.0000	OK
15 minute summer	SW32	26	11.743	0.089	4.0	0.0253	0.0000	OK
15 minute summer	SW33	27	11.577	0.008	0.1	0.0068	0.0000	OK
15 minute summer	SW34	20	13.398	0.048	9.8	4.2296	0.0000	OK
15 minute summer	SW35	28	11.427	0.008	0.1	0.0022	0.0000	OK
15 minute summer	SW36	29	11.354	0.008	0.1	0.0022	0.0000	OK
15 minute summer	SW37	28	11.195	0.011	0.2	0.0091	0.0000	OK
15 minute summer	SW38	20	12.749	0.079	7.9	3.3693	0.0000	OK
15 minute summer	SW39	20	12.370	0.070	6.0	2.5532	0.0000	OK
15 minute summer	SW40	8	10.239	0.001	0.6	0.0008	0.0000	OK
15 minute summer	SW41	20	12.277	0.057	6.0	2.5504	0.0000	OK
15 minute summer	SW42	10	12.853	0.033	1.9	0.0000	0.0000	OK
15 minute summer	SW43	10	12.339	0.039	1.9	0.0112	0.0000	OK
15 minute summer	SW44	11	12.250	0.040	1.9	0.0114	0.0000	OK
15 minute summer	SW45	10	12.210	0.051	2.9	0.0144	0.0000	OK
15 minute summer	SW46	11	12.085	0.047	3.4	0.0133	0.0000	OK
15 minute summer	SW47	12	11.270	0.125	6.5	0.0354	0.0000	SURCHARGED
15 minute summer	SW48	11	11.925	0.025	0.8	0.0000	0.0000	OK
15 minute summer	SW49	10	11.929	0.029	1.1	0.0000	0.0000	OK
15 minute summer	SW50	10	11.837	0.036	1.6	0.0058	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	SW26	6.002	SW28	4.8	0.803	0.800	0.0372	
15 minute summer	SW27	7.000	SW26	0.8	0.641	0.043	0.0128	
15 minute summer	SW28	6.003	SW30	6.7	0.831	0.376	0.0289	
15 minute summer	SW29	8.000	SW28	1.9	0.667	0.311	0.0138	
15 minute summer	SW30	6.004	SW31	6.7	0.903	0.376	0.0284	
15 minute summer	SW31	Flow through Pond	SW32	4.0	0.017	0.000	2.8248	
15 minute summer	SW32	6.005	SW33	0.0	0.228	0.008	0.0008	
15 minute summer	SW33	6.006	SW35	0.1	0.283	0.005	0.0052	
15 minute summer	SW34	9.000	SW33	0.0	0.280	0.005	0.0002	
15 minute summer	SW35	6.007	SW36	0.1	0.317	0.005	0.0026	
15 minute summer	SW36	6.008	SW37	0.1	0.209	0.005	0.0072	
15 minute summer	SW37	6.009	SW23	0.2	0.269	0.010	0.0130	
15 minute summer	SW38	10.000	SW37	0.1	0.336	0.009	0.0003	
15 minute summer	SW39	11.000	SW23	0.0	0.279	0.005	0.0002	
15 minute summer	SW40	Pump		0.6				8.3
15 minute summer	SW41	12.000	SW40	0.0	0.287	0.006	0.0003	
15 minute summer	SW42	13.000	SW43	1.9	0.856	0.220	0.0079	
15 minute summer	SW43	13.001	SW44	1.9	0.643	0.309	0.0261	
15 minute summer	SW44	13.002	SW45	1.9	0.537	0.307	0.0178	
15 minute summer	SW45	13.003	SW46	2.9	0.767	0.480	0.0459	
15 minute summer	SW46	13.004	SW47	3.4	0.963	0.427	0.0499	
15 minute summer	SW47	17.000	SW55	6.3	0.827	1.048	0.1138	
15 minute summer	SW48	14.000	SW47	0.8	0.533	0.133	0.0209	
15 minute summer	SW49	15.000	SW50	1.1	0.490	0.178	0.0218	
15 minute summer	SW50	15.001	SW51	1.6	0.703	0.257	0.0287	

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Results for 2 year +45% CC 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.58%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW51	11	11.701	0.029	1.6	0.0047	0.0000	OK
15 minute summer	SW52	12	11.280	0.080	2.9	0.0227	0.0000	OK
15 minute summer	SW53	10	11.934	0.034	1.4	0.0000	0.0000	OK
15 minute summer	SW54	10	11.303	0.032	1.4	0.0091	0.0000	OK
15 minute summer	SW55	12	11.089	0.092	6.3	0.0065	0.0000	OK
15 minute summer	SW56	28	10.377	0.083	6.3	0.0000	0.0000	OK
15 minute summer	SW57	27	10.378	0.094	5.1	0.0265	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	SW51	15.002	SW52	1.6	0.545	0.186	0.1051	
15 minute summer	SW52	15.003	SW47	2.8	0.472	0.465	0.0403	
15 minute summer	SW53	16.000	SW54	1.4	0.609	0.228	0.0077	
15 minute summer	SW54	16.001	SW52	1.4	0.470	0.224	0.0310	
15 minute summer	SW55	17.001	SW56	6.3	0.878	1.047	0.0090	
15 minute summer	SW56	Flow through Pond	SW57	5.1	0.054	0.001	3.0229	
15 minute summer	SW57	17.002	SW40	0.0	0.466	0.008	0.0007	

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Results for 2 year +45% CC 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 99.59%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	SW1	20	12.953	0.063	20.5	9.4041	0.0000	OK
15 minute winter	SW2	23	12.589	0.007	0.1	0.0020	0.0000	OK
15 minute winter	SW3	25	12.451	0.007	0.1	0.0019	0.0000	OK
15 minute winter	SW4	22	12.238	0.009	0.1	0.0000	0.0000	OK
15 minute winter	SW5	10	13.144	0.044	2.3	0.0000	0.0000	OK
15 minute winter	SW6	10	13.076	0.044	2.3	0.0070	0.0000	OK
15 minute winter	SW7	11	12.989	0.046	2.3	0.0033	0.0000	OK
15 minute winter	SW8	23	12.338	0.083	2.3	0.0000	0.0000	OK
15 minute winter	SW9	22	12.338	0.095	2.4	0.0269	0.0000	OK
15 minute winter	SW10	10	13.142	0.022	1.5	0.0000	0.0000	OK
15 minute winter	SW11	23	12.338	0.083	1.5	0.0000	0.0000	OK
15 minute winter	SW12	28	11.882	0.009	0.1	0.0025	0.0000	OK
15 minute winter	SW13	27	11.641	0.012	0.3	0.0100	0.0000	OK
15 minute winter	SW14	20	13.181	0.061	4.4	1.9767	0.0000	OK
15 minute winter	SW15	22	12.898	0.006	0.0	0.0018	0.0000	OK
15 minute winter	SW16	24	12.828	0.006	0.0	0.0018	0.0000	OK
15 minute winter	SW17	25	12.684	0.007	0.1	0.0058	0.0000	OK
15 minute winter	SW18	20	12.917	0.047	19.5	8.9323	0.0000	OK
15 minute winter	SW19	25	12.561	0.008	0.1	0.0023	0.0000	OK
15 minute winter	SW20	20	12.624	0.054	4.1	1.8649	0.0000	OK
15 minute winter	SW21	29	11.570	0.012	0.3	0.0034	0.0000	OK
15 minute winter	SW22	20	12.011	0.051	6.2	2.8163	0.0000	OK
15 minute winter	SW23	30	11.024	0.015	0.5	0.0043	0.0000	OK
15 minute winter	SW24	10	12.898	0.058	3.8	0.0000	0.0000	OK
15 minute winter	SW25	11	12.713	0.056	3.8	0.0160	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	SW1	1.000	SW2	0.1	0.257	0.004	0.0090	
15 minute winter	SW2	1.001	SW3	0.1	0.276	0.004	0.0039	
15 minute winter	SW3	1.002	SW4	0.1	0.209	0.004	0.0057	
15 minute winter	SW4	1.008	SW12	0.1	0.323	0.007	0.0150	
15 minute winter	SW5	1.003	SW6	2.3	0.691	0.378	0.0225	
15 minute winter	SW6	1.004	SW7	2.3	0.663	0.375	0.0302	
15 minute winter	SW7	1.005	SW8	2.3	0.672	0.374	0.0035	
15 minute winter	SW8	Flow through Pond	SW9	2.4	0.063	0.001	1.5227	
15 minute winter	SW9	1.007	SW4	0.1	0.283	0.008	0.0004	
15 minute winter	SW10	1.006	SW11	1.5	1.164	0.106	0.0042	
15 minute winter	SW11	Flow through Pond	SW9	2.4	0.063	0.001	1.5227	
15 minute winter	SW12	1.009	SW13	0.1	0.236	0.007	0.0127	
15 minute winter	SW13	1.010	SW21	0.3	0.328	0.005	0.0056	
15 minute winter	SW14	2.000	SW15	0.0	0.256	0.008	0.0048	
15 minute winter	SW15	2.001	SW16	0.0	0.284	0.008	0.0015	
15 minute winter	SW16	2.002	SW17	0.0	0.226	0.008	0.0031	
15 minute winter	SW17	2.003	SW19	0.1	0.288	0.004	0.0019	
15 minute winter	SW18	3.000	SW17	0.0	0.266	0.002	0.0002	
15 minute winter	SW19	2.004	SW13	0.1	0.377	0.005	0.0019	
15 minute winter	SW20	4.000	SW19	0.0	0.248	0.008	0.0004	
15 minute winter	SW21	1.011	SW23	0.3	0.307	0.006	0.0502	
15 minute winter	SW22	5.000	SW21	0.0	0.351	0.005	0.0051	
15 minute winter	SW23	6.010	SW40	0.5	0.452	0.009	0.0096	
15 minute winter	SW24	6.000	SW25	3.8	0.812	0.624	0.0849	
15 minute winter	SW25	6.001	SW26	3.7	0.731	0.612	0.1102	

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Results for 2 year +45% CC 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 99.59%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	SW26	11	12.507	0.067	4.5	0.0000	0.0000	OK
15 minute winter	SW27	10	12.814	0.014	0.8	0.0000	0.0000	OK
15 minute winter	SW28	11	12.447	0.069	6.2	0.0599	0.0000	OK
15 minute winter	SW29	10	12.868	0.038	1.8	0.0000	0.0000	OK
15 minute winter	SW30	11	12.407	0.065	6.2	0.0562	0.0000	OK
15 minute winter	SW31	26	11.744	0.086	6.2	0.0000	0.0000	OK
15 minute winter	SW32	26	11.744	0.090	3.8	0.0253	0.0000	OK
15 minute winter	SW33	27	11.577	0.008	0.1	0.0068	0.0000	OK
15 minute winter	SW34	20	13.398	0.048	9.2	4.2209	0.0000	OK
15 minute winter	SW35	27	11.427	0.008	0.1	0.0022	0.0000	OK
15 minute winter	SW36	29	11.354	0.008	0.1	0.0022	0.0000	OK
15 minute winter	SW37	28	11.195	0.011	0.2	0.0091	0.0000	OK
15 minute winter	SW38	20	12.749	0.079	7.4	3.3783	0.0000	OK
15 minute winter	SW39	20	12.370	0.070	5.6	2.5563	0.0000	OK
15 minute winter	SW40	7	10.238	0.000	0.6	0.0003	0.0000	OK
15 minute winter	SW41	20	12.277	0.057	5.6	2.5535	0.0000	OK
15 minute winter	SW42	10	12.852	0.032	1.8	0.0000	0.0000	OK
15 minute winter	SW43	10	12.338	0.038	1.8	0.0108	0.0000	OK
15 minute winter	SW44	11	12.249	0.039	1.8	0.0110	0.0000	OK
15 minute winter	SW45	11	12.208	0.049	2.8	0.0140	0.0000	OK
15 minute winter	SW46	11	12.084	0.046	3.3	0.0130	0.0000	OK
15 minute winter	SW47	12	11.255	0.110	6.5	0.0311	0.0000	SURCHARGED
15 minute winter	SW48	10	11.924	0.024	0.8	0.0000	0.0000	OK
15 minute winter	SW49	11	11.928	0.028	1.0	0.0000	0.0000	OK
15 minute winter	SW50	10	11.837	0.036	1.5	0.0057	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	SW26	6.002	SW28	4.5	0.785	0.740	0.0352	
15 minute winter	SW27	7.000	SW26	0.8	0.638	0.042	0.0120	
15 minute winter	SW28	6.003	SW30	6.2	0.817	0.351	0.0274	
15 minute winter	SW29	8.000	SW28	1.8	0.657	0.295	0.0133	
15 minute winter	SW30	6.004	SW31	6.2	0.888	0.352	0.0270	
15 minute winter	SW31	Flow through Pond	SW32	3.8	0.015	0.000	2.8281	
15 minute winter	SW32	6.005	SW33	0.0	0.228	0.008	0.0008	
15 minute winter	SW33	6.006	SW35	0.1	0.282	0.005	0.0052	
15 minute winter	SW34	9.000	SW33	0.0	0.280	0.005	0.0002	
15 minute winter	SW35	6.007	SW36	0.1	0.315	0.005	0.0026	
15 minute winter	SW36	6.008	SW37	0.1	0.209	0.005	0.0072	
15 minute winter	SW37	6.009	SW23	0.2	0.269	0.010	0.0130	
15 minute winter	SW38	10.000	SW37	0.1	0.336	0.009	0.0003	
15 minute winter	SW39	11.000	SW23	0.0	0.279	0.005	0.0002	
15 minute winter	SW40	Pump		0.6				8.3
15 minute winter	SW41	12.000	SW40	0.0	0.287	0.006	0.0003	
15 minute winter	SW42	13.000	SW43	1.8	0.843	0.208	0.0076	
15 minute winter	SW43	13.001	SW44	1.8	0.635	0.292	0.0250	
15 minute winter	SW44	13.002	SW45	1.8	0.528	0.291	0.0171	
15 minute winter	SW45	13.003	SW46	2.8	0.754	0.460	0.0444	
15 minute winter	SW46	13.004	SW47	3.3	0.952	0.408	0.0483	
15 minute winter	SW47	17.000	SW55	6.3	0.824	1.037	0.1134	
15 minute winter	SW48	14.000	SW47	0.8	0.526	0.127	0.0203	
15 minute winter	SW49	15.000	SW50	1.0	0.474	0.166	0.0210	
15 minute winter	SW50	15.001	SW51	1.5	0.695	0.249	0.0280	

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Results for 2 year +45% CC 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 99.59%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	SW51	11	11.701	0.029	1.5	0.0046	0.0000	OK
15 minute winter	SW52	12	11.263	0.063	2.7	0.0178	0.0000	OK
15 minute winter	SW53	10	11.932	0.032	1.3	0.0000	0.0000	OK
15 minute winter	SW54	10	11.302	0.031	1.3	0.0088	0.0000	OK
15 minute winter	SW55	11	11.088	0.091	6.3	0.0065	0.0000	OK
15 minute winter	SW56	27	10.378	0.084	6.2	0.0000	0.0000	OK
15 minute winter	SW57	29	10.378	0.094	4.7	0.0266	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	SW51	15.002	SW52	1.5	0.553	0.179	0.0859	
15 minute winter	SW52	15.003	SW47	2.8	0.452	0.460	0.0361	
15 minute winter	SW53	16.000	SW54	1.3	0.597	0.211	0.0073	
15 minute winter	SW54	16.001	SW52	1.3	0.450	0.208	0.0252	
15 minute winter	SW55	17.001	SW56	6.2	0.873	1.035	0.0090	
15 minute winter	SW56	Flow through Pond	SW57	4.7	0.085	0.001	3.0389	
15 minute winter	SW57	17.002	SW40	0.0	0.467	0.008	0.0007	

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Results for 2 year +45% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	SW1	35	12.970	0.080	19.7	12.3116	0.0000	OK
30 minute summer	SW2	38	12.590	0.008	0.1	0.0021	0.0000	OK
30 minute summer	SW3	39	12.451	0.007	0.1	0.0020	0.0000	OK
30 minute summer	SW4	39	12.239	0.010	0.1	0.0000	0.0000	OK
30 minute summer	SW5	18	13.143	0.043	2.2	0.0000	0.0000	OK
30 minute summer	SW6	18	13.075	0.043	2.2	0.0069	0.0000	OK
30 minute summer	SW7	18	12.988	0.045	2.2	0.0032	0.0000	OK
30 minute summer	SW8	37	12.364	0.109	2.2	0.0000	0.0000	OK
30 minute summer	SW9	37	12.364	0.121	1.8	0.0343	0.0000	SURCHARGED
30 minute summer	SW10	18	13.142	0.022	1.5	0.0000	0.0000	OK
30 minute summer	SW11	38	12.364	0.109	1.5	0.0000	0.0000	OK
30 minute summer	SW12	42	11.883	0.010	0.1	0.0027	0.0000	OK
30 minute summer	SW13	41	11.641	0.012	0.3	0.0106	0.0000	OK
30 minute summer	SW14	34	13.197	0.077	4.2	2.5534	0.0000	OK
30 minute summer	SW15	36	12.899	0.007	0.1	0.0019	0.0000	OK
30 minute summer	SW16	38	12.829	0.007	0.1	0.0019	0.0000	OK
30 minute summer	SW17	39	12.684	0.007	0.1	0.0061	0.0000	OK
30 minute summer	SW18	35	12.930	0.060	18.7	11.7191	0.0000	OK
30 minute summer	SW19	38	12.562	0.009	0.2	0.0024	0.0000	OK
30 minute summer	SW20	34	12.639	0.069	3.9	2.4253	0.0000	OK
30 minute summer	SW21	43	11.571	0.013	0.3	0.0037	0.0000	OK
30 minute summer	SW22	35	12.025	0.065	5.9	3.6628	0.0000	OK
30 minute summer	SW23	43	11.025	0.016	0.6	0.0046	0.0000	OK
30 minute summer	SW24	18	12.897	0.057	3.7	0.0000	0.0000	OK
30 minute summer	SW25	18	12.713	0.056	3.7	0.0160	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	SW1	1.000	SW2	0.1	0.252	0.005	0.0099	
30 minute summer	SW2	1.001	SW3	0.1	0.263	0.005	0.0042	
30 minute summer	SW3	1.002	SW4	0.1	0.217	0.004	0.0063	
30 minute summer	SW4	1.008	SW12	0.1	0.299	0.008	0.0165	
30 minute summer	SW5	1.003	SW6	2.2	0.684	0.364	0.0219	
30 minute summer	SW6	1.004	SW7	2.2	0.658	0.364	0.0296	
30 minute summer	SW7	1.005	SW8	2.2	0.667	0.364	0.0034	
30 minute summer	SW8	Flow through Pond	SW9	1.8	0.046	0.001	1.9674	
30 minute summer	SW9	1.007	SW4	0.1	0.231	0.009	0.0004	
30 minute summer	SW10	1.006	SW11	1.5	1.167	0.107	0.0043	
30 minute summer	SW11	Flow through Pond	SW9	1.8	0.046	0.001	1.9674	
30 minute summer	SW12	1.009	SW13	0.1	0.244	0.008	0.0139	
30 minute summer	SW13	1.010	SW21	0.3	0.339	0.006	0.0062	
30 minute summer	SW14	2.000	SW15	0.1	0.239	0.009	0.0053	
30 minute summer	SW15	2.001	SW16	0.1	0.248	0.009	0.0016	
30 minute summer	SW16	2.002	SW17	0.1	0.235	0.009	0.0034	
30 minute summer	SW17	2.003	SW19	0.1	0.299	0.004	0.0021	
30 minute summer	SW18	3.000	SW17	0.0	0.277	0.002	0.0002	
30 minute summer	SW19	2.004	SW13	0.2	0.392	0.006	0.0021	
30 minute summer	SW20	4.000	SW19	0.1	0.208	0.009	0.0005	
30 minute summer	SW21	1.011	SW23	0.3	0.321	0.006	0.0552	
30 minute summer	SW22	5.000	SW21	0.1	0.289	0.005	0.0056	
30 minute summer	SW23	6.010	SW40	0.6	0.470	0.010	0.0105	
30 minute summer	SW24	6.000	SW25	3.7	0.808	0.613	0.0841	
30 minute summer	SW25	6.001	SW26	3.7	0.733	0.611	0.1093	

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Results for 2 year +45% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	SW26	18	12.506	0.066	4.4	0.0000	0.0000	OK
30 minute summer	SW27	19	12.813	0.013	0.7	0.0000	0.0000	OK
30 minute summer	SW28	18	12.446	0.068	6.1	0.0590	0.0000	OK
30 minute summer	SW29	18	12.867	0.037	1.7	0.0000	0.0000	OK
30 minute summer	SW30	18	12.406	0.064	6.1	0.0552	0.0000	OK
30 minute summer	SW31	40	11.772	0.114	6.0	0.0000	0.0000	OK
30 minute summer	SW32	40	11.772	0.118	3.1	0.0334	0.0000	SURCHARGED
30 minute summer	SW33	41	11.577	0.008	0.1	0.0073	0.0000	OK
30 minute summer	SW34	35	13.411	0.061	8.8	5.4979	0.0000	OK
30 minute summer	SW35	41	11.427	0.008	0.1	0.0024	0.0000	OK
30 minute summer	SW36	42	11.354	0.008	0.1	0.0024	0.0000	OK
30 minute summer	SW37	41	11.195	0.011	0.2	0.0097	0.0000	OK
30 minute summer	SW38	35	12.771	0.101	7.1	4.3757	0.0000	SURCHARGED
30 minute summer	SW39	35	12.390	0.090	5.4	3.3406	0.0000	OK
30 minute summer	SW40	9	10.239	0.001	0.7	0.0006	0.0000	OK
30 minute summer	SW41	34	12.293	0.073	5.4	3.3350	0.0000	OK
30 minute summer	SW42	18	12.851	0.031	1.7	0.0000	0.0000	OK
30 minute summer	SW43	18	12.337	0.037	1.7	0.0106	0.0000	OK
30 minute summer	SW44	18	12.248	0.038	1.7	0.0108	0.0000	OK
30 minute summer	SW45	18	12.208	0.049	2.7	0.0138	0.0000	OK
30 minute summer	SW46	18	12.083	0.045	3.2	0.0128	0.0000	OK
30 minute summer	SW47	19	11.247	0.102	6.4	0.0289	0.0000	SURCHARGED
30 minute summer	SW48	19	11.923	0.023	0.7	0.0000	0.0000	OK
30 minute summer	SW49	18	11.928	0.028	1.0	0.0000	0.0000	OK
30 minute summer	SW50	18	11.837	0.036	1.5	0.0056	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	SW26	6.002	SW28	4.4	0.781	0.724	0.0346	
30 minute summer	SW27	7.000	SW26	0.7	0.326	0.037	0.0118	
30 minute summer	SW28	6.003	SW30	6.1	0.813	0.341	0.0268	
30 minute summer	SW29	8.000	SW28	1.7	0.650	0.282	0.0128	
30 minute summer	SW30	6.004	SW31	6.0	0.879	0.339	0.0263	
30 minute summer	SW31	Flow through Pond	SW32	3.1	0.005	0.000	3.7448	
30 minute summer	SW32	6.005	SW33	0.1	0.238	0.009	0.0008	
30 minute summer	SW33	6.006	SW35	0.1	0.273	0.006	0.0058	
30 minute summer	SW34	9.000	SW33	0.0	0.291	0.006	0.0003	
30 minute summer	SW35	6.007	SW36	0.1	0.279	0.006	0.0028	
30 minute summer	SW36	6.008	SW37	0.1	0.220	0.006	0.0079	
30 minute summer	SW37	6.009	SW23	0.2	0.257	0.011	0.0142	
30 minute summer	SW38	10.000	SW37	0.1	0.349	0.011	0.0004	
30 minute summer	SW39	11.000	SW23	0.0	0.290	0.006	0.0002	
30 minute summer	SW40	Pump		0.7				10.0
30 minute summer	SW41	12.000	SW40	0.1	0.299	0.006	0.0004	
30 minute summer	SW42	13.000	SW43	1.7	0.834	0.198	0.0073	
30 minute summer	SW43	13.001	SW44	1.7	0.628	0.282	0.0244	
30 minute summer	SW44	13.002	SW45	1.7	0.523	0.281	0.0168	
30 minute summer	SW45	13.003	SW46	2.7	0.749	0.447	0.0435	
30 minute summer	SW46	13.004	SW47	3.2	0.945	0.396	0.0473	
30 minute summer	SW47	17.000	SW55	6.2	0.830	1.032	0.1133	
30 minute summer	SW48	14.000	SW47	0.7	0.513	0.116	0.0190	
30 minute summer	SW49	15.000	SW50	1.0	0.473	0.166	0.0210	
30 minute summer	SW50	15.001	SW51	1.5	0.694	0.248	0.0280	

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Results for 2 year +45% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	SW51	18	11.701	0.029	1.5	0.0045	0.0000	OK
30 minute summer	SW52	19	11.254	0.054	2.7	0.0152	0.0000	OK
30 minute summer	SW53	18	11.931	0.031	1.2	0.0000	0.0000	OK
30 minute summer	SW54	18	11.301	0.030	1.2	0.0086	0.0000	OK
30 minute summer	SW55	19	11.088	0.091	6.2	0.0064	0.0000	OK
30 minute summer	SW56	43	10.406	0.112	6.2	0.0000	0.0000	OK
30 minute summer	SW57	41	10.406	0.122	3.4	0.0346	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	SW51	15.002	SW52	1.5	0.545	0.177	0.0748	
30 minute summer	SW52	15.003	SW47	2.6	0.450	0.433	0.0336	
30 minute summer	SW53	16.000	SW54	1.2	0.588	0.199	0.0070	
30 minute summer	SW54	16.001	SW52	1.2	0.445	0.199	0.0221	
30 minute summer	SW55	17.001	SW56	6.2	0.872	1.030	0.0089	
30 minute summer	SW56	Flow through Pond	SW57	3.4	0.043	0.000	4.0089	
30 minute summer	SW57	17.002	SW40	0.1	0.487	0.009	0.0007	

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Results for 2 year +45% CC 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	SW1	35	12.970	0.080	15.9	12.3093	0.0000	OK
30 minute winter	SW2	37	12.590	0.008	0.1	0.0021	0.0000	OK
30 minute winter	SW3	39	12.451	0.007	0.1	0.0020	0.0000	OK
30 minute winter	SW4	39	12.239	0.010	0.1	0.0000	0.0000	OK
30 minute winter	SW5	18	13.138	0.038	1.8	0.0000	0.0000	OK
30 minute winter	SW6	18	13.071	0.039	1.8	0.0061	0.0000	OK
30 minute winter	SW7	18	12.984	0.041	1.8	0.0029	0.0000	OK
30 minute winter	SW8	36	12.365	0.110	1.8	0.0000	0.0000	OK
30 minute winter	SW9	36	12.365	0.122	1.7	0.0345	0.0000	SURCHARGED
30 minute winter	SW10	18	13.140	0.020	1.2	0.0000	0.0000	OK
30 minute winter	SW11	36	12.365	0.110	1.2	0.0000	0.0000	OK
30 minute winter	SW12	41	11.883	0.010	0.1	0.0027	0.0000	OK
30 minute winter	SW13	41	11.641	0.012	0.3	0.0106	0.0000	OK
30 minute winter	SW14	33	13.197	0.077	3.4	2.5599	0.0000	OK
30 minute winter	SW15	36	12.899	0.007	0.1	0.0019	0.0000	OK
30 minute winter	SW16	37	12.829	0.007	0.1	0.0019	0.0000	OK
30 minute winter	SW17	38	12.684	0.007	0.1	0.0061	0.0000	OK
30 minute winter	SW18	35	12.930	0.060	15.1	11.7380	0.0000	OK
30 minute winter	SW19	38	12.562	0.009	0.2	0.0024	0.0000	OK
30 minute winter	SW20	33	12.639	0.069	3.2	2.4199	0.0000	OK
30 minute winter	SW21	42	11.571	0.013	0.3	0.0037	0.0000	OK
30 minute winter	SW22	35	12.025	0.065	4.8	3.6511	0.0000	OK
30 minute winter	SW23	43	11.025	0.016	0.6	0.0046	0.0000	OK
30 minute winter	SW24	18	12.890	0.050	3.0	0.0000	0.0000	OK
30 minute winter	SW25	18	12.707	0.050	3.0	0.0141	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	SW1	1.000	SW2	0.1	0.252	0.005	0.0099	
30 minute winter	SW2	1.001	SW3	0.1	0.263	0.005	0.0042	
30 minute winter	SW3	1.002	SW4	0.1	0.217	0.004	0.0063	
30 minute winter	SW4	1.008	SW12	0.1	0.299	0.008	0.0165	
30 minute winter	SW5	1.003	SW6	1.8	0.652	0.298	0.0188	
30 minute winter	SW6	1.004	SW7	1.8	0.626	0.298	0.0255	
30 minute winter	SW7	1.005	SW8	1.8	0.633	0.298	0.0030	
30 minute winter	SW8	Flow through Pond	SW9	1.7	0.045	0.000	1.9836	
30 minute winter	SW9	1.007	SW4	0.1	0.243	0.010	0.0004	
30 minute winter	SW10	1.006	SW11	1.2	1.093	0.085	0.0036	
30 minute winter	SW11	Flow through Pond	SW9	1.7	0.045	0.000	1.9836	
30 minute winter	SW12	1.009	SW13	0.1	0.244	0.008	0.0139	
30 minute winter	SW13	1.010	SW21	0.3	0.339	0.006	0.0062	
30 minute winter	SW14	2.000	SW15	0.1	0.239	0.009	0.0053	
30 minute winter	SW15	2.001	SW16	0.1	0.255	0.009	0.0016	
30 minute winter	SW16	2.002	SW17	0.1	0.235	0.009	0.0034	
30 minute winter	SW17	2.003	SW19	0.1	0.299	0.004	0.0021	
30 minute winter	SW18	3.000	SW17	0.0	0.277	0.002	0.0002	
30 minute winter	SW19	2.004	SW13	0.2	0.392	0.006	0.0021	
30 minute winter	SW20	4.000	SW19	0.1	0.216	0.009	0.0005	
30 minute winter	SW21	1.011	SW23	0.3	0.321	0.006	0.0552	
30 minute winter	SW22	5.000	SW21	0.1	0.302	0.005	0.0056	
30 minute winter	SW23	6.010	SW40	0.6	0.470	0.010	0.0105	
30 minute winter	SW24	6.000	SW25	3.0	0.768	0.497	0.0717	
30 minute winter	SW25	6.001	SW26	3.0	0.698	0.496	0.0931	

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Results for 2 year +45% CC 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	SW26	18	12.498	0.058	3.6	0.0000	0.0000	OK
30 minute winter	SW27	18	12.812	0.012	0.6	0.0000	0.0000	OK
30 minute winter	SW28	18	12.439	0.061	5.0	0.0524	0.0000	OK
30 minute winter	SW29	18	12.864	0.034	1.4	0.0000	0.0000	OK
30 minute winter	SW30	18	12.399	0.057	5.0	0.0493	0.0000	OK
30 minute winter	SW31	39	11.771	0.113	4.9	0.0000	0.0000	OK
30 minute winter	SW32	39	11.771	0.117	2.8	0.0331	0.0000	SURCHARGED
30 minute winter	SW33	40	11.577	0.008	0.1	0.0073	0.0000	OK
30 minute winter	SW34	35	13.411	0.061	7.1	5.5131	0.0000	OK
30 minute winter	SW35	41	11.427	0.008	0.1	0.0024	0.0000	OK
30 minute winter	SW36	42	11.354	0.008	0.1	0.0024	0.0000	OK
30 minute winter	SW37	40	11.195	0.011	0.2	0.0097	0.0000	OK
30 minute winter	SW38	34	12.771	0.101	5.8	4.3694	0.0000	SURCHARGED
30 minute winter	SW39	35	12.390	0.090	4.4	3.3527	0.0000	OK
30 minute winter	SW40	9	10.239	0.001	0.7	0.0005	0.0000	OK
30 minute winter	SW41	34	12.293	0.073	4.4	3.3471	0.0000	OK
30 minute winter	SW42	18	12.848	0.028	1.4	0.0000	0.0000	OK
30 minute winter	SW43	18	12.334	0.034	1.4	0.0095	0.0000	OK
30 minute winter	SW44	18	12.244	0.034	1.4	0.0097	0.0000	OK
30 minute winter	SW45	18	12.202	0.043	2.2	0.0122	0.0000	OK
30 minute winter	SW46	19	12.078	0.040	2.6	0.0114	0.0000	OK
30 minute winter	SW47	19	11.222	0.077	5.4	0.0219	0.0000	OK
30 minute winter	SW48	19	11.921	0.021	0.6	0.0000	0.0000	OK
30 minute winter	SW49	19	11.925	0.025	0.8	0.0000	0.0000	OK
30 minute winter	SW50	17	11.833	0.032	1.2	0.0050	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	SW26	6.002	SW28	3.6	0.743	0.593	0.0299	
30 minute winter	SW27	7.000	SW26	0.6	0.284	0.032	0.0101	
30 minute winter	SW28	6.003	SW30	5.0	0.777	0.280	0.0230	
30 minute winter	SW29	8.000	SW28	1.4	0.617	0.232	0.0111	
30 minute winter	SW30	6.004	SW31	4.9	0.835	0.279	0.0227	
30 minute winter	SW31	Flow through Pond	SW32	2.8	0.018	0.000	3.7156	
30 minute winter	SW32	6.005	SW33	0.1	0.238	0.009	0.0008	
30 minute winter	SW33	6.006	SW35	0.1	0.273	0.006	0.0058	
30 minute winter	SW34	9.000	SW33	0.0	0.291	0.006	0.0003	
30 minute winter	SW35	6.007	SW36	0.1	0.284	0.006	0.0028	
30 minute winter	SW36	6.008	SW37	0.1	0.220	0.006	0.0079	
30 minute winter	SW37	6.009	SW23	0.2	0.256	0.011	0.0142	
30 minute winter	SW38	10.000	SW37	0.1	0.349	0.011	0.0004	
30 minute winter	SW39	11.000	SW23	0.0	0.290	0.006	0.0002	
30 minute winter	SW40	Pump		0.7				10.0
30 minute winter	SW41	12.000	SW40	0.1	0.299	0.006	0.0004	
30 minute winter	SW42	13.000	SW43	1.4	0.791	0.163	0.0063	
30 minute winter	SW43	13.001	SW44	1.4	0.599	0.232	0.0211	
30 minute winter	SW44	13.002	SW45	1.4	0.501	0.232	0.0144	
30 minute winter	SW45	13.003	SW46	2.2	0.712	0.363	0.0372	
30 minute winter	SW46	13.004	SW47	2.6	0.897	0.323	0.0406	
30 minute winter	SW47	17.000	SW55	5.4	0.819	0.891	0.0974	
30 minute winter	SW48	14.000	SW47	0.6	0.491	0.099	0.0170	
30 minute winter	SW49	15.000	SW50	0.8	0.445	0.133	0.0179	
30 minute winter	SW50	15.001	SW51	1.2	0.653	0.199	0.0239	

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Results for 2 year +45% CC 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	SW51	19	11.698	0.026	1.2	0.0041	0.0000	OK
30 minute winter	SW52	18	11.242	0.042	2.2	0.0118	0.0000	OK
30 minute winter	SW53	18	11.928	0.028	1.0	0.0000	0.0000	OK
30 minute winter	SW54	18	11.299	0.028	1.0	0.0078	0.0000	OK
30 minute winter	SW55	19	11.076	0.079	5.4	0.0056	0.0000	OK
30 minute winter	SW56	41	10.406	0.113	5.4	0.0000	0.0000	OK
30 minute winter	SW57	42	10.407	0.123	3.2	0.0347	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	SW51	15.002	SW52	1.2	0.529	0.143	0.0575	
30 minute winter	SW52	15.003	SW47	2.2	0.452	0.361	0.0265	
30 minute winter	SW53	16.000	SW54	1.0	0.559	0.166	0.0061	
30 minute winter	SW54	16.001	SW52	1.0	0.422	0.165	0.0172	
30 minute winter	SW55	17.001	SW56	5.4	0.846	0.891	0.0080	
30 minute winter	SW56	Flow through Pond	SW57	3.2	0.052	0.000	4.0218	
30 minute winter	SW57	17.002	SW40	0.1	0.487	0.009	0.0007	

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Results for 2 year +45% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	SW1	65	12.990	0.100	14.8	15.5044	0.0000	OK
60 minute summer	SW2	67	12.590	0.008	0.1	0.0022	0.0000	OK
60 minute summer	SW3	68	12.451	0.007	0.1	0.0021	0.0000	OK
60 minute summer	SW4	68	12.239	0.010	0.2	0.0000	0.0000	OK
60 minute summer	SW5	33	13.137	0.037	1.7	0.0000	0.0000	OK
60 minute summer	SW6	33	13.069	0.037	1.7	0.0059	0.0000	OK
60 minute summer	SW7	33	12.982	0.039	1.7	0.0028	0.0000	OK
60 minute summer	SW8	66	12.392	0.137	1.7	0.0000	0.0000	OK
60 minute summer	SW9	66	12.392	0.149	1.4	0.0423	0.0000	SURCHARGED
60 minute summer	SW10	33	13.139	0.019	1.1	0.0000	0.0000	OK
60 minute summer	SW11	66	12.392	0.137	1.1	0.0000	0.0000	OK
60 minute summer	SW12	70	11.883	0.010	0.2	0.0028	0.0000	OK
60 minute summer	SW13	70	11.642	0.013	0.3	0.0112	0.0000	OK
60 minute summer	SW14	64	13.215	0.095	3.2	3.2073	0.0000	OK
60 minute summer	SW15	66	12.899	0.007	0.1	0.0021	0.0000	OK
60 minute summer	SW16	67	12.829	0.007	0.1	0.0020	0.0000	OK
60 minute summer	SW17	68	12.684	0.007	0.1	0.0064	0.0000	OK
60 minute summer	SW18	65	12.944	0.074	14.1	14.8343	0.0000	OK
60 minute summer	SW19	67	12.562	0.009	0.2	0.0026	0.0000	OK
60 minute summer	SW20	64	12.654	0.084	3.0	2.9890	0.0000	OK
60 minute summer	SW21	71	11.572	0.014	0.4	0.0039	0.0000	OK
60 minute summer	SW22	64	12.040	0.080	4.5	4.5871	0.0000	OK
60 minute summer	SW23	71	11.026	0.017	0.7	0.0049	0.0000	OK
60 minute summer	SW24	33	12.888	0.048	2.8	0.0000	0.0000	OK
60 minute summer	SW25	33	12.705	0.048	2.8	0.0135	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	SW1	1.000	SW2	0.1	0.261	0.005	0.0108	
60 minute summer	SW2	1.001	SW3	0.1	0.272	0.005	0.0046	
60 minute summer	SW3	1.002	SW4	0.1	0.225	0.005	0.0068	
60 minute summer	SW4	1.008	SW12	0.2	0.310	0.009	0.0178	
60 minute summer	SW5	1.003	SW6	1.7	0.642	0.282	0.0180	
60 minute summer	SW6	1.004	SW7	1.7	0.617	0.282	0.0244	
60 minute summer	SW7	1.005	SW8	1.7	0.624	0.281	0.0028	
60 minute summer	SW8	Flow through Pond	SW9	1.4	0.032	0.000	2.4527	
60 minute summer	SW9	1.007	SW4	0.1	0.199	0.011	0.0005	
60 minute summer	SW10	1.006	SW11	1.1	1.065	0.078	0.0034	
60 minute summer	SW11	Flow through Pond	SW9	1.4	0.032	0.000	2.4527	
60 minute summer	SW12	1.009	SW13	0.2	0.252	0.009	0.0150	
60 minute summer	SW13	1.010	SW21	0.3	0.350	0.006	0.0067	
60 minute summer	SW14	2.000	SW15	0.1	0.248	0.010	0.0057	
60 minute summer	SW15	2.001	SW16	0.1	0.248	0.010	0.0017	
60 minute summer	SW16	2.002	SW17	0.1	0.243	0.010	0.0037	
60 minute summer	SW17	2.003	SW19	0.1	0.310	0.005	0.0023	
60 minute summer	SW18	3.000	SW17	0.1	0.286	0.002	0.0002	
60 minute summer	SW19	2.004	SW13	0.2	0.405	0.007	0.0022	
60 minute summer	SW20	4.000	SW19	0.1	0.197	0.010	0.0005	
60 minute summer	SW21	1.011	SW23	0.4	0.331	0.007	0.0597	
60 minute summer	SW22	5.000	SW21	0.1	0.252	0.006	0.0061	
60 minute summer	SW23	6.010	SW40	0.7	0.486	0.011	0.0114	
60 minute summer	SW24	6.000	SW25	2.8	0.755	0.464	0.0681	
60 minute summer	SW25	6.001	SW26	2.8	0.684	0.463	0.0886	

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Results for 2 year +45% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	SW26	33	12.496	0.056	3.4	0.0000	0.0000	OK
60 minute summer	SW27	33	12.812	0.012	0.6	0.0000	0.0000	OK
60 minute summer	SW28	33	12.436	0.058	4.7	0.0505	0.0000	OK
60 minute summer	SW29	33	12.862	0.032	1.3	0.0000	0.0000	OK
60 minute summer	SW30	33	12.397	0.055	4.7	0.0476	0.0000	OK
60 minute summer	SW31	69	11.802	0.144	4.6	0.0000	0.0000	OK
60 minute summer	SW32	69	11.802	0.148	2.5	0.0420	0.0000	SURCHARGED
60 minute summer	SW33	70	11.578	0.009	0.1	0.0077	0.0000	OK
60 minute summer	SW34	64	13.426	0.076	6.7	6.9555	0.0000	OK
60 minute summer	SW35	70	11.428	0.009	0.1	0.0025	0.0000	OK
60 minute summer	SW36	71	11.355	0.009	0.1	0.0025	0.0000	OK
60 minute summer	SW37	70	11.196	0.012	0.2	0.0102	0.0000	OK
60 minute summer	SW38	64	12.795	0.125	5.4	5.4406	0.0000	SURCHARGED
60 minute summer	SW39	64	12.412	0.112	4.1	4.2068	0.0000	SURCHARGED
60 minute summer	SW40	10	10.239	0.001	0.8	0.0005	0.0000	OK
60 minute summer	SW41	64	12.310	0.090	4.1	4.1949	0.0000	OK
60 minute summer	SW42	33	12.847	0.027	1.3	0.0000	0.0000	OK
60 minute summer	SW43	33	12.332	0.032	1.3	0.0091	0.0000	OK
60 minute summer	SW44	33	12.243	0.033	1.3	0.0093	0.0000	OK
60 minute summer	SW45	33	12.200	0.041	2.0	0.0116	0.0000	OK
60 minute summer	SW46	34	12.076	0.038	2.4	0.0109	0.0000	OK
60 minute summer	SW47	33	11.217	0.072	5.0	0.0204	0.0000	OK
60 minute summer	SW48	33	11.921	0.021	0.6	0.0000	0.0000	OK
60 minute summer	SW49	34	11.923	0.023	0.7	0.0000	0.0000	OK
60 minute summer	SW50	32	11.831	0.030	1.1	0.0048	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	SW26	6.002	SW28	3.4	0.733	0.560	0.0285	
60 minute summer	SW27	7.000	SW26	0.6	0.259	0.032	0.0097	
60 minute summer	SW28	6.003	SW30	4.7	0.765	0.263	0.0219	
60 minute summer	SW29	8.000	SW28	1.3	0.605	0.215	0.0106	
60 minute summer	SW30	6.004	SW31	4.6	0.820	0.261	0.0217	
60 minute summer	SW31	Flow through Pond	SW32	2.5	0.004	0.000	4.7263	
60 minute summer	SW32	6.005	SW33	0.1	0.247	0.011	0.0009	
60 minute summer	SW33	6.006	SW35	0.1	0.283	0.007	0.0063	
60 minute summer	SW34	9.000	SW33	0.1	0.301	0.006	0.0003	
60 minute summer	SW35	6.007	SW36	0.1	0.284	0.007	0.0031	
60 minute summer	SW36	6.008	SW37	0.1	0.228	0.007	0.0086	
60 minute summer	SW37	6.009	SW23	0.2	0.255	0.012	0.0153	
60 minute summer	SW38	10.000	SW37	0.1	0.361	0.012	0.0004	
60 minute summer	SW39	11.000	SW23	0.1	0.300	0.006	0.0003	
60 minute summer	SW40	Pump		0.8				12.1
60 minute summer	SW41	12.000	SW40	0.1	0.309	0.007	0.0004	
60 minute summer	SW42	13.000	SW43	1.3	0.775	0.152	0.0060	
60 minute summer	SW43	13.001	SW44	1.3	0.587	0.215	0.0199	
60 minute summer	SW44	13.002	SW45	1.3	0.496	0.215	0.0135	
60 minute summer	SW45	13.003	SW46	2.0	0.692	0.330	0.0348	
60 minute summer	SW46	13.004	SW47	2.4	0.879	0.299	0.0383	
60 minute summer	SW47	17.000	SW55	5.0	0.809	0.820	0.0908	
60 minute summer	SW48	14.000	SW47	0.6	0.491	0.099	0.0170	
60 minute summer	SW49	15.000	SW50	0.7	0.421	0.116	0.0166	
60 minute summer	SW50	15.001	SW51	1.1	0.638	0.182	0.0224	

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Results for 2 year +45% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	SW51	34	11.697	0.025	1.1	0.0039	0.0000	OK
60 minute summer	SW52	34	11.240	0.040	2.0	0.0112	0.0000	OK
60 minute summer	SW53	34	11.927	0.027	0.9	0.0000	0.0000	OK
60 minute summer	SW54	34	11.297	0.026	0.9	0.0074	0.0000	OK
60 minute summer	SW55	34	11.071	0.074	5.0	0.0053	0.0000	OK
60 minute summer	SW56	71	10.436	0.142	5.0	0.0000	0.0000	OK
60 minute summer	SW57	71	10.436	0.152	2.9	0.0430	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	SW51	15.002	SW52	1.1	0.510	0.131	0.0539	
60 minute summer	SW52	15.003	SW47	2.0	0.449	0.331	0.0247	
60 minute summer	SW53	16.000	SW54	0.9	0.543	0.149	0.0057	
60 minute summer	SW54	16.001	SW52	0.9	0.414	0.149	0.0161	
60 minute summer	SW55	17.001	SW56	5.0	0.835	0.822	0.0075	
60 minute summer	SW56	Flow through Pond	SW57	2.9	0.023	0.000	5.0273	
60 minute summer	SW57	17.002	SW40	0.1	0.500	0.011	0.0008	

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Results for 2 year +45% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	SW1	64	12.990	0.100	10.7	15.4892	0.0000	OK
60 minute winter	SW2	66	12.590	0.008	0.1	0.0022	0.0000	OK
60 minute winter	SW3	67	12.451	0.007	0.1	0.0021	0.0000	OK
60 minute winter	SW4	67	12.239	0.010	0.2	0.0000	0.0000	OK
60 minute winter	SW5	32	13.131	0.031	1.2	0.0000	0.0000	OK
60 minute winter	SW6	32	13.063	0.031	1.2	0.0049	0.0000	OK
60 minute winter	SW7	33	12.976	0.033	1.2	0.0023	0.0000	OK
60 minute winter	SW8	65	12.392	0.137	1.2	0.0000	0.0000	OK
60 minute winter	SW9	65	12.392	0.149	1.0	0.0422	0.0000	SURCHARGED
60 minute winter	SW10	32	13.136	0.016	0.8	0.0000	0.0000	OK
60 minute winter	SW11	65	12.392	0.137	0.8	0.0000	0.0000	OK
60 minute winter	SW12	69	11.883	0.010	0.2	0.0028	0.0000	OK
60 minute winter	SW13	69	11.642	0.013	0.3	0.0112	0.0000	OK
60 minute winter	SW14	63	13.215	0.095	2.3	3.1899	0.0000	OK
60 minute winter	SW15	65	12.899	0.007	0.1	0.0020	0.0000	OK
60 minute winter	SW16	66	12.829	0.007	0.1	0.0020	0.0000	OK
60 minute winter	SW17	67	12.684	0.007	0.1	0.0064	0.0000	OK
60 minute winter	SW18	64	12.944	0.074	10.2	14.7930	0.0000	OK
60 minute winter	SW19	66	12.562	0.009	0.2	0.0026	0.0000	OK
60 minute winter	SW20	62	12.654	0.084	2.1	2.9988	0.0000	OK
60 minute winter	SW21	70	11.572	0.014	0.4	0.0039	0.0000	OK
60 minute winter	SW22	63	12.041	0.081	3.2	4.6288	0.0000	OK
60 minute winter	SW23	70	11.026	0.017	0.7	0.0049	0.0000	OK
60 minute winter	SW24	32	12.880	0.040	2.0	0.0000	0.0000	OK
60 minute winter	SW25	34	12.697	0.040	2.0	0.0112	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	SW1	1.000	SW2	0.1	0.261	0.005	0.0108	
60 minute winter	SW2	1.001	SW3	0.1	0.272	0.005	0.0046	
60 minute winter	SW3	1.002	SW4	0.1	0.225	0.005	0.0068	
60 minute winter	SW4	1.008	SW12	0.2	0.310	0.009	0.0178	
60 minute winter	SW5	1.003	SW6	1.2	0.587	0.199	0.0139	
60 minute winter	SW6	1.004	SW7	1.2	0.565	0.199	0.0188	
60 minute winter	SW7	1.005	SW8	1.2	0.568	0.199	0.0022	
60 minute winter	SW8	Flow through Pond	SW9	1.0	0.032	0.000	2.4462	
60 minute winter	SW9	1.007	SW4	0.1	0.196	0.011	0.0005	
60 minute winter	SW10	1.006	SW11	0.8	0.969	0.057	0.0027	
60 minute winter	SW11	Flow through Pond	SW9	1.0	0.032	0.000	2.4462	
60 minute winter	SW12	1.009	SW13	0.2	0.252	0.009	0.0150	
60 minute winter	SW13	1.010	SW21	0.3	0.350	0.006	0.0067	
60 minute winter	SW14	2.000	SW15	0.1	0.248	0.010	0.0057	
60 minute winter	SW15	2.001	SW16	0.1	0.248	0.010	0.0017	
60 minute winter	SW16	2.002	SW17	0.1	0.243	0.010	0.0037	
60 minute winter	SW17	2.003	SW19	0.1	0.310	0.005	0.0023	
60 minute winter	SW18	3.000	SW17	0.1	0.286	0.002	0.0002	
60 minute winter	SW19	2.004	SW13	0.2	0.405	0.007	0.0022	
60 minute winter	SW20	4.000	SW19	0.1	0.197	0.010	0.0005	
60 minute winter	SW21	1.011	SW23	0.4	0.331	0.007	0.0597	
60 minute winter	SW22	5.000	SW21	0.1	0.261	0.006	0.0061	
60 minute winter	SW23	6.010	SW40	0.7	0.486	0.011	0.0114	
60 minute winter	SW24	6.000	SW25	2.0	0.691	0.331	0.0531	
60 minute winter	SW25	6.001	SW26	2.0	0.635	0.331	0.0685	

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Results for 2 year +45% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	SW26	34	12.485	0.045	2.4	0.0000	0.0000	OK
60 minute winter	SW27	32	12.810	0.010	0.4	0.0000	0.0000	OK
60 minute winter	SW28	34	12.426	0.048	3.3	0.0415	0.0000	OK
60 minute winter	SW29	33	12.857	0.027	0.9	0.0000	0.0000	OK
60 minute winter	SW30	34	12.388	0.046	3.3	0.0396	0.0000	OK
60 minute winter	SW31	67	11.803	0.145	3.3	0.0000	0.0000	OK
60 minute winter	SW32	67	11.803	0.149	1.8	0.0420	0.0000	SURCHARGED
60 minute winter	SW33	68	11.578	0.009	0.1	0.0077	0.0000	OK
60 minute winter	SW34	63	13.426	0.076	4.8	6.9262	0.0000	OK
60 minute winter	SW35	69	11.428	0.009	0.1	0.0025	0.0000	OK
60 minute winter	SW36	70	11.355	0.009	0.1	0.0025	0.0000	OK
60 minute winter	SW37	68	11.196	0.012	0.2	0.0102	0.0000	OK
60 minute winter	SW38	63	12.796	0.126	3.9	5.4848	0.0000	SURCHARGED
60 minute winter	SW39	63	12.411	0.111	2.9	4.1778	0.0000	SURCHARGED
60 minute winter	SW40	11	10.239	0.001	0.8	0.0005	0.0000	OK
60 minute winter	SW41	63	12.310	0.090	2.9	4.1662	0.0000	OK
60 minute winter	SW42	33	12.842	0.022	0.9	0.0000	0.0000	OK
60 minute winter	SW43	31	12.327	0.027	0.9	0.0075	0.0000	OK
60 minute winter	SW44	34	12.237	0.027	0.9	0.0076	0.0000	OK
60 minute winter	SW45	32	12.193	0.034	1.4	0.0095	0.0000	OK
60 minute winter	SW46	35	12.070	0.032	1.7	0.0090	0.0000	OK
60 minute winter	SW47	34	11.202	0.057	3.6	0.0162	0.0000	OK
60 minute winter	SW48	34	11.918	0.018	0.4	0.0000	0.0000	OK
60 minute winter	SW49	34	11.919	0.019	0.5	0.0000	0.0000	OK
60 minute winter	SW50	31	11.827	0.026	0.8	0.0041	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	SW26	6.002	SW28	2.4	0.673	0.398	0.0221	
60 minute winter	SW27	7.000	SW26	0.4	0.240	0.021	0.0074	
60 minute winter	SW28	6.003	SW30	3.3	0.704	0.186	0.0169	
60 minute winter	SW29	8.000	SW28	0.9	0.547	0.149	0.0081	
60 minute winter	SW30	6.004	SW31	3.3	0.749	0.186	0.0169	
60 minute winter	SW31	Flow through Pond	SW32	1.8	0.008	0.000	4.7356	
60 minute winter	SW32	6.005	SW33	0.1	0.247	0.011	0.0009	
60 minute winter	SW33	6.006	SW35	0.1	0.283	0.007	0.0063	
60 minute winter	SW34	9.000	SW33	0.1	0.301	0.006	0.0003	
60 minute winter	SW35	6.007	SW36	0.1	0.283	0.007	0.0031	
60 minute winter	SW36	6.008	SW37	0.1	0.227	0.007	0.0086	
60 minute winter	SW37	6.009	SW23	0.2	0.256	0.012	0.0154	
60 minute winter	SW38	10.000	SW37	0.1	0.361	0.012	0.0004	
60 minute winter	SW39	11.000	SW23	0.1	0.299	0.006	0.0003	
60 minute winter	SW40	Pump		0.8				12.1
60 minute winter	SW41	12.000	SW40	0.1	0.309	0.007	0.0004	
60 minute winter	SW42	13.000	SW43	0.9	0.700	0.105	0.0046	
60 minute winter	SW43	13.001	SW44	0.9	0.537	0.149	0.0151	
60 minute winter	SW44	13.002	SW45	0.9	0.452	0.149	0.0103	
60 minute winter	SW45	13.003	SW46	1.4	0.633	0.232	0.0270	
60 minute winter	SW46	13.004	SW47	1.7	0.801	0.212	0.0298	
60 minute winter	SW47	17.000	SW55	3.6	0.758	0.596	0.0704	
60 minute winter	SW48	14.000	SW47	0.4	0.436	0.066	0.0128	
60 minute winter	SW49	15.000	SW50	0.5	0.395	0.083	0.0131	
60 minute winter	SW50	15.001	SW51	0.8	0.582	0.133	0.0179	

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Results for 2 year +45% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	SW51	33	11.693	0.021	0.8	0.0033	0.0000	OK
60 minute winter	SW52	34	11.234	0.034	1.5	0.0096	0.0000	OK
60 minute winter	SW53	34	11.924	0.024	0.7	0.0000	0.0000	OK
60 minute winter	SW54	34	11.294	0.023	0.7	0.0065	0.0000	OK
60 minute winter	SW55	34	11.057	0.060	3.6	0.0042	0.0000	OK
60 minute winter	SW56	70	10.435	0.141	3.6	0.0000	0.0000	OK
60 minute winter	SW57	70	10.435	0.151	2.3	0.0428	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	SW51	15.002	SW52	0.8	0.472	0.095	0.0435	
60 minute winter	SW52	15.003	SW47	1.5	0.431	0.248	0.0194	
60 minute winter	SW53	16.000	SW54	0.7	0.506	0.116	0.0047	
60 minute winter	SW54	16.001	SW52	0.7	0.382	0.116	0.0132	
60 minute winter	SW55	17.001	SW56	3.6	0.777	0.596	0.0058	
60 minute winter	SW56	Flow through Pond	SW57	2.3	0.025	0.000	4.9979	
60 minute winter	SW57	17.002	SW40	0.1	0.500	0.011	0.0008	

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Results for 2 year +45% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	SW1	126	13.026	0.136	11.0	21.4399	0.0000	OK
120 minute summer	SW2	128	12.591	0.009	0.1	0.0024	0.0000	OK
120 minute summer	SW3	128	12.452	0.008	0.1	0.0023	0.0000	OK
120 minute summer	SW4	128	12.240	0.011	0.2	0.0000	0.0000	OK
120 minute summer	SW5	64	13.131	0.031	1.2	0.0000	0.0000	OK
120 minute summer	SW6	64	13.063	0.031	1.2	0.0049	0.0000	OK
120 minute summer	SW7	64	12.976	0.033	1.2	0.0023	0.0000	OK
120 minute summer	SW8	126	12.441	0.186	1.2	0.0000	0.0000	OK
120 minute summer	SW9	126	12.441	0.198	0.9	0.0561	0.0000	SURCHARGED
120 minute summer	SW10	62	13.136	0.016	0.8	0.0000	0.0000	OK
120 minute summer	SW11	126	12.441	0.186	0.8	0.0000	0.0000	OK
120 minute summer	SW12	130	11.884	0.011	0.2	0.0031	0.0000	OK
120 minute summer	SW13	128	11.643	0.014	0.4	0.0121	0.0000	OK
120 minute summer	SW14	124	13.246	0.126	2.3	4.2887	0.0000	SURCHARGED
120 minute summer	SW15	126	12.900	0.008	0.1	0.0022	0.0000	OK
120 minute summer	SW16	126	12.830	0.008	0.1	0.0022	0.0000	OK
120 minute summer	SW17	128	12.685	0.008	0.1	0.0069	0.0000	OK
120 minute summer	SW18	126	12.971	0.101	10.5	20.5589	0.0000	OK
120 minute summer	SW19	126	12.563	0.010	0.2	0.0028	0.0000	OK
120 minute summer	SW20	124	12.682	0.112	2.2	4.0446	0.0000	SURCHARGED
120 minute summer	SW21	130	11.573	0.015	0.5	0.0042	0.0000	OK
120 minute summer	SW22	124	12.067	0.107	3.3	6.2340	0.0000	SURCHARGED
120 minute summer	SW23	130	11.028	0.019	0.8	0.0052	0.0000	OK
120 minute summer	SW24	64	12.881	0.041	2.1	0.0000	0.0000	OK
120 minute summer	SW25	64	12.698	0.041	2.1	0.0115	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	SW1	1.000	SW2	0.1	0.274	0.006	0.0121	
120 minute summer	SW2	1.001	SW3	0.1	0.286	0.006	0.0052	
120 minute summer	SW3	1.002	SW4	0.1	0.239	0.005	0.0076	
120 minute summer	SW4	1.008	SW12	0.2	0.325	0.010	0.0199	
120 minute summer	SW5	1.003	SW6	1.2	0.587	0.199	0.0139	
120 minute summer	SW6	1.004	SW7	1.2	0.564	0.199	0.0188	
120 minute summer	SW7	1.005	SW8	1.2	0.568	0.199	0.0022	
120 minute summer	SW8	Flow through Pond	SW9	0.9	0.019	0.000	3.2893	
120 minute summer	SW9	1.007	SW4	0.1	0.203	0.012	0.0005	
120 minute summer	SW10	1.006	SW11	0.8	0.969	0.057	0.0027	
120 minute summer	SW11	Flow through Pond	SW9	0.9	0.019	0.000	3.2893	
120 minute summer	SW12	1.009	SW13	0.2	0.264	0.010	0.0168	
120 minute summer	SW13	1.010	SW21	0.4	0.367	0.007	0.0075	
120 minute summer	SW14	2.000	SW15	0.1	0.259	0.012	0.0063	
120 minute summer	SW15	2.001	SW16	0.1	0.259	0.012	0.0019	
120 minute summer	SW16	2.002	SW17	0.1	0.254	0.012	0.0041	
120 minute summer	SW17	2.003	SW19	0.1	0.325	0.005	0.0025	
120 minute summer	SW18	3.000	SW17	0.1	0.300	0.003	0.0002	
120 minute summer	SW19	2.004	SW13	0.2	0.425	0.008	0.0025	
120 minute summer	SW20	4.000	SW19	0.1	0.206	0.011	0.0006	
120 minute summer	SW21	1.011	SW23	0.5	0.345	0.008	0.0665	
120 minute summer	SW22	5.000	SW21	0.1	0.210	0.007	0.0068	
120 minute summer	SW23	6.010	SW40	0.8	0.510	0.013	0.0127	
120 minute summer	SW24	6.000	SW25	2.1	0.700	0.348	0.0550	
120 minute summer	SW25	6.001	SW26	2.1	0.644	0.348	0.0708	

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Results for 2 year +45% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	SW26	64	12.486	0.046	2.5	0.0000	0.0000	OK
120 minute summer	SW27	64	12.810	0.010	0.4	0.0000	0.0000	OK
120 minute summer	SW28	64	12.428	0.050	3.5	0.0429	0.0000	OK
120 minute summer	SW29	64	12.858	0.028	1.0	0.0000	0.0000	OK
120 minute summer	SW30	64	12.389	0.047	3.5	0.0409	0.0000	OK
120 minute summer	SW31	128	11.854	0.196	3.5	0.0000	0.0000	OK
120 minute summer	SW32	128	11.854	0.200	1.8	0.0567	0.0000	SURCHARGED
120 minute summer	SW33	128	11.579	0.010	0.1	0.0083	0.0000	OK
120 minute summer	SW34	124	13.453	0.103	5.0	9.5778	0.0000	SURCHARGED
120 minute summer	SW35	130	11.429	0.010	0.1	0.0027	0.0000	OK
120 minute summer	SW36	130	11.356	0.010	0.1	0.0027	0.0000	OK
120 minute summer	SW37	128	11.197	0.013	0.3	0.0110	0.0000	OK
120 minute summer	SW38	124	12.839	0.169	4.0	7.4270	0.0000	SURCHARGED
120 minute summer	SW39	124	12.451	0.151	3.0	5.7611	0.0000	SURCHARGED
120 minute summer	SW40	12	10.239	0.001	0.9	0.0006	0.0000	OK
120 minute summer	SW41	124	12.341	0.121	3.0	5.7333	0.0000	SURCHARGED
120 minute summer	SW42	64	12.844	0.024	1.0	0.0000	0.0000	OK
120 minute summer	SW43	64	12.328	0.028	1.0	0.0080	0.0000	OK
120 minute summer	SW44	64	12.238	0.028	1.0	0.0080	0.0000	OK
120 minute summer	SW45	64	12.195	0.036	1.6	0.0102	0.0000	OK
120 minute summer	SW46	64	12.072	0.034	1.9	0.0096	0.0000	OK
120 minute summer	SW47	64	11.205	0.060	3.9	0.0171	0.0000	OK
120 minute summer	SW48	66	11.918	0.018	0.4	0.0000	0.0000	OK
120 minute summer	SW49	64	11.921	0.021	0.6	0.0000	0.0000	OK
120 minute summer	SW50	64	11.828	0.027	0.9	0.0043	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	SW26	6.002	SW28	2.5	0.675	0.414	0.0229	
120 minute summer	SW27	7.000	SW26	0.4	0.239	0.021	0.0076	
120 minute summer	SW28	6.003	SW30	3.5	0.714	0.197	0.0176	
120 minute summer	SW29	8.000	SW28	1.0	0.563	0.166	0.0087	
120 minute summer	SW30	6.004	SW31	3.5	0.761	0.197	0.0176	
120 minute summer	SW31	Flow through Pond	SW32	1.8	0.004	0.000	6.4044	
120 minute summer	SW32	6.005	SW33	0.1	0.259	0.012	0.0010	
120 minute summer	SW33	6.006	SW35	0.1	0.297	0.008	0.0070	
120 minute summer	SW34	9.000	SW33	0.1	0.316	0.008	0.0003	
120 minute summer	SW35	6.007	SW36	0.1	0.298	0.008	0.0034	
120 minute summer	SW36	6.008	SW37	0.1	0.237	0.008	0.0095	
120 minute summer	SW37	6.009	SW23	0.3	0.268	0.015	0.0171	
120 minute summer	SW38	10.000	SW37	0.1	0.379	0.014	0.0004	
120 minute summer	SW39	11.000	SW23	0.1	0.314	0.008	0.0003	
120 minute summer	SW40	Pump		0.9				16.4
120 minute summer	SW41	12.000	SW40	0.1	0.325	0.008	0.0005	
120 minute summer	SW42	13.000	SW43	1.0	0.720	0.117	0.0050	
120 minute summer	SW43	13.001	SW44	1.0	0.552	0.166	0.0163	
120 minute summer	SW44	13.002	SW45	1.0	0.459	0.166	0.0112	
120 minute summer	SW45	13.003	SW46	1.6	0.655	0.265	0.0295	
120 minute summer	SW46	13.004	SW47	1.9	0.825	0.237	0.0324	
120 minute summer	SW47	17.000	SW55	3.9	0.771	0.644	0.0748	
120 minute summer	SW48	14.000	SW47	0.4	0.436	0.066	0.0128	
120 minute summer	SW49	15.000	SW50	0.6	0.411	0.099	0.0145	
120 minute summer	SW50	15.001	SW51	0.9	0.601	0.149	0.0194	

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Results for 2 year +45% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	SW51	64	11.694	0.022	0.9	0.0035	0.0000	OK
120 minute summer	SW52	64	11.235	0.035	1.6	0.0099	0.0000	OK
120 minute summer	SW53	64	11.924	0.024	0.7	0.0000	0.0000	OK
120 minute summer	SW54	64	11.294	0.023	0.7	0.0065	0.0000	OK
120 minute summer	SW55	64	11.060	0.063	3.9	0.0044	0.0000	OK
120 minute summer	SW56	130	10.494	0.200	3.9	0.0000	0.0000	OK
120 minute summer	SW57	130	10.494	0.210	2.0	0.0595	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	SW51	15.002	SW52	0.9	0.487	0.107	0.0461	
120 minute summer	SW52	15.003	SW47	1.6	0.433	0.264	0.0205	
120 minute summer	SW53	16.000	SW54	0.7	0.506	0.116	0.0047	
120 minute summer	SW54	16.001	SW52	0.7	0.372	0.116	0.0136	
120 minute summer	SW55	17.001	SW56	3.9	0.791	0.643	0.0062	
120 minute summer	SW56	Flow through Pond	SW57	2.0	0.015	0.000	7.0241	
120 minute summer	SW57	17.002	SW40	0.1	0.523	0.013	0.0009	

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Results for 2 year +45% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	SW1	124	13.026	0.136	7.6	21.3866	0.0000	OK
120 minute winter	SW2	126	12.591	0.009	0.1	0.0024	0.0000	OK
120 minute winter	SW3	126	12.452	0.008	0.1	0.0023	0.0000	OK
120 minute winter	SW4	126	12.240	0.011	0.2	0.0000	0.0000	OK
120 minute winter	SW5	64	13.126	0.026	0.9	0.0000	0.0000	OK
120 minute winter	SW6	64	13.058	0.026	0.9	0.0042	0.0000	OK
120 minute winter	SW7	64	12.971	0.028	0.9	0.0020	0.0000	OK
120 minute winter	SW8	122	12.447	0.192	0.9	0.0000	0.0000	OK
120 minute winter	SW9	122	12.447	0.204	0.7	0.0576	0.0000	SURCHARGED
120 minute winter	SW10	62	13.134	0.014	0.6	0.0000	0.0000	OK
120 minute winter	SW11	122	12.447	0.192	0.6	0.0000	0.0000	OK
120 minute winter	SW12	128	11.884	0.011	0.2	0.0031	0.0000	OK
120 minute winter	SW13	126	11.643	0.014	0.4	0.0122	0.0000	OK
120 minute winter	SW14	122	13.246	0.126	1.6	4.3010	0.0000	SURCHARGED
120 minute winter	SW15	124	12.900	0.008	0.1	0.0022	0.0000	OK
120 minute winter	SW16	124	12.830	0.008	0.1	0.0022	0.0000	OK
120 minute winter	SW17	126	12.685	0.008	0.1	0.0069	0.0000	OK
120 minute winter	SW18	124	12.971	0.101	7.2	20.6197	0.0000	OK
120 minute winter	SW19	124	12.563	0.010	0.2	0.0028	0.0000	OK
120 minute winter	SW20	122	12.685	0.115	1.5	4.1495	0.0000	SURCHARGED
120 minute winter	SW21	128	11.573	0.015	0.5	0.0042	0.0000	OK
120 minute winter	SW22	122	12.067	0.107	2.3	6.2469	0.0000	SURCHARGED
120 minute winter	SW23	128	11.028	0.019	0.8	0.0052	0.0000	OK
120 minute winter	SW24	62	12.873	0.033	1.4	0.0000	0.0000	OK
120 minute winter	SW25	66	12.690	0.033	1.4	0.0093	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	SW1	1.000	SW2	0.1	0.274	0.006	0.0121	
120 minute winter	SW2	1.001	SW3	0.1	0.286	0.006	0.0052	
120 minute winter	SW3	1.002	SW4	0.1	0.238	0.005	0.0076	
120 minute winter	SW4	1.008	SW12	0.2	0.325	0.010	0.0199	
120 minute winter	SW5	1.003	SW6	0.9	0.544	0.149	0.0113	
120 minute winter	SW6	1.004	SW7	0.9	0.523	0.149	0.0152	
120 minute winter	SW7	1.005	SW8	0.9	0.525	0.149	0.0018	
120 minute winter	SW8	Flow through Pond	SW9	0.7	0.023	0.000	3.3805	
120 minute winter	SW9	1.007	SW4	0.1	0.205	0.012	0.0005	
120 minute winter	SW10	1.006	SW11	0.6	0.890	0.043	0.0022	
120 minute winter	SW11	Flow through Pond	SW9	0.7	0.023	0.000	3.3805	
120 minute winter	SW12	1.009	SW13	0.2	0.265	0.010	0.0169	
120 minute winter	SW13	1.010	SW21	0.4	0.368	0.007	0.0075	
120 minute winter	SW14	2.000	SW15	0.1	0.259	0.012	0.0063	
120 minute winter	SW15	2.001	SW16	0.1	0.259	0.012	0.0019	
120 minute winter	SW16	2.002	SW17	0.1	0.254	0.012	0.0041	
120 minute winter	SW17	2.003	SW19	0.1	0.324	0.005	0.0025	
120 minute winter	SW18	3.000	SW17	0.1	0.300	0.003	0.0002	
120 minute winter	SW19	2.004	SW13	0.2	0.426	0.008	0.0025	
120 minute winter	SW20	4.000	SW19	0.1	0.208	0.011	0.0006	
120 minute winter	SW21	1.011	SW23	0.5	0.345	0.008	0.0667	
120 minute winter	SW22	5.000	SW21	0.1	0.232	0.007	0.0068	
120 minute winter	SW23	6.010	SW40	0.8	0.511	0.013	0.0127	
120 minute winter	SW24	6.000	SW25	1.4	0.627	0.232	0.0410	
120 minute winter	SW25	6.001	SW26	1.4	0.577	0.232	0.0527	

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Results for 2 year +45% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	SW26	66	12.477	0.037	1.7	0.0000	0.0000	OK
120 minute winter	SW27	60	12.809	0.009	0.3	0.0000	0.0000	OK
120 minute winter	SW28	66	12.418	0.040	2.4	0.0348	0.0000	OK
120 minute winter	SW29	64	12.853	0.023	0.7	0.0000	0.0000	OK
120 minute winter	SW30	66	12.381	0.039	2.4	0.0335	0.0000	OK
120 minute winter	SW31	126	11.858	0.200	2.4	0.0000	0.0000	OK
120 minute winter	SW32	126	11.858	0.204	1.2	0.0578	0.0000	SURCHARGED
120 minute winter	SW33	126	11.579	0.010	0.1	0.0083	0.0000	OK
120 minute winter	SW34	122	13.452	0.102	3.4	9.5204	0.0000	SURCHARGED
120 minute winter	SW35	128	11.429	0.010	0.1	0.0027	0.0000	OK
120 minute winter	SW36	128	11.356	0.010	0.1	0.0027	0.0000	OK
120 minute winter	SW37	126	11.197	0.013	0.3	0.0110	0.0000	OK
120 minute winter	SW38	122	12.839	0.169	2.8	7.4460	0.0000	SURCHARGED
120 minute winter	SW39	122	12.452	0.152	2.1	5.7743	0.0000	SURCHARGED
120 minute winter	SW40	14	10.239	0.001	0.9	0.0006	0.0000	OK
120 minute winter	SW41	122	12.342	0.122	2.1	5.7470	0.0000	SURCHARGED
120 minute winter	SW42	64	12.840	0.020	0.7	0.0000	0.0000	OK
120 minute winter	SW43	62	12.323	0.023	0.7	0.0066	0.0000	OK
120 minute winter	SW44	64	12.233	0.023	0.7	0.0066	0.0000	OK
120 minute winter	SW45	62	12.189	0.030	1.1	0.0084	0.0000	OK
120 minute winter	SW46	66	12.066	0.028	1.3	0.0079	0.0000	OK
120 minute winter	SW47	66	11.193	0.048	2.7	0.0136	0.0000	OK
120 minute winter	SW48	64	11.915	0.015	0.3	0.0000	0.0000	OK
120 minute winter	SW49	64	11.917	0.017	0.4	0.0000	0.0000	OK
120 minute winter	SW50	60	11.823	0.022	0.6	0.0035	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	SW26	6.002	SW28	1.7	0.610	0.282	0.0173	
120 minute winter	SW27	7.000	SW26	0.3	0.230	0.016	0.0057	
120 minute winter	SW28	6.003	SW30	2.4	0.650	0.135	0.0133	
120 minute winter	SW29	8.000	SW28	0.7	0.509	0.116	0.0068	
120 minute winter	SW30	6.004	SW31	2.4	0.686	0.135	0.0134	
120 minute winter	SW31	Flow through Pond	SW32	1.2	0.003	0.000	6.5321	
120 minute winter	SW32	6.005	SW33	0.1	0.260	0.012	0.0010	
120 minute winter	SW33	6.006	SW35	0.1	0.298	0.008	0.0070	
120 minute winter	SW34	9.000	SW33	0.1	0.315	0.008	0.0003	
120 minute winter	SW35	6.007	SW36	0.1	0.298	0.008	0.0034	
120 minute winter	SW36	6.008	SW37	0.1	0.238	0.008	0.0096	
120 minute winter	SW37	6.009	SW23	0.3	0.268	0.015	0.0172	
120 minute winter	SW38	10.000	SW37	0.1	0.379	0.014	0.0004	
120 minute winter	SW39	11.000	SW23	0.1	0.314	0.008	0.0003	
120 minute winter	SW40	Pump		0.9				16.4
120 minute winter	SW41	12.000	SW40	0.1	0.325	0.008	0.0005	
120 minute winter	SW42	13.000	SW43	0.7	0.651	0.082	0.0038	
120 minute winter	SW43	13.001	SW44	0.7	0.503	0.116	0.0125	
120 minute winter	SW44	13.002	SW45	0.7	0.422	0.116	0.0086	
120 minute winter	SW45	13.003	SW46	1.1	0.594	0.182	0.0224	
120 minute winter	SW46	13.004	SW47	1.3	0.744	0.162	0.0246	
120 minute winter	SW47	17.000	SW55	2.7	0.709	0.447	0.0564	
120 minute winter	SW48	14.000	SW47	0.3	0.401	0.050	0.0104	
120 minute winter	SW49	15.000	SW50	0.4	0.365	0.066	0.0109	
120 minute winter	SW50	15.001	SW51	0.6	0.535	0.099	0.0145	

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Results for 2 year +45% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	SW51	62	11.690	0.018	0.6	0.0029	0.0000	OK
120 minute winter	SW52	66	11.229	0.029	1.1	0.0082	0.0000	OK
120 minute winter	SW53	64	11.920	0.020	0.5	0.0000	0.0000	OK
120 minute winter	SW54	66	11.290	0.019	0.5	0.0055	0.0000	OK
120 minute winter	SW55	66	11.047	0.050	2.7	0.0035	0.0000	OK
120 minute winter	SW56	128	10.495	0.201	2.7	0.0000	0.0000	OK
120 minute winter	SW57	128	10.495	0.211	1.6	0.0598	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	SW51	15.002	SW52	0.6	0.438	0.072	0.0351	
120 minute winter	SW52	15.003	SW47	1.1	0.397	0.182	0.0155	
120 minute winter	SW53	16.000	SW54	0.5	0.460	0.083	0.0037	
120 minute winter	SW54	16.001	SW52	0.5	0.365	0.083	0.0105	
120 minute winter	SW55	17.001	SW56	2.7	0.724	0.447	0.0047	
120 minute winter	SW56	Flow through Pond	SW57	1.6	0.020	0.000	7.0590	
120 minute winter	SW57	17.002	SW40	0.1	0.524	0.013	0.0009	

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Results for 2 year +45% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.66%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	SW1	188	13.047	0.157	8.6	24.8711	0.0000	SURCHARGED
180 minute summer	SW2	188	12.591	0.009	0.1	0.0025	0.0000	OK
180 minute summer	SW3	188	12.452	0.008	0.1	0.0023	0.0000	OK
180 minute summer	SW4	188	12.240	0.011	0.2	0.0000	0.0000	OK
180 minute summer	SW5	96	13.128	0.028	1.0	0.0000	0.0000	OK
180 minute summer	SW6	96	13.060	0.028	1.0	0.0044	0.0000	OK
180 minute summer	SW7	96	12.973	0.030	1.0	0.0021	0.0000	OK
180 minute summer	SW8	184	12.468	0.213	1.0	0.0000	0.0000	OK
180 minute summer	SW9	184	12.468	0.225	0.8	0.0637	0.0000	SURCHARGED
180 minute summer	SW10	96	13.134	0.014	0.6	0.0000	0.0000	OK
180 minute summer	SW11	184	12.468	0.213	0.6	0.0000	0.0000	OK
180 minute summer	SW12	188	11.884	0.011	0.2	0.0032	0.0000	OK
180 minute summer	SW13	188	11.644	0.015	0.4	0.0126	0.0000	OK
180 minute summer	SW14	184	13.264	0.144	1.8	4.9174	0.0000	SURCHARGED
180 minute summer	SW15	188	12.900	0.008	0.1	0.0023	0.0000	OK
180 minute summer	SW16	188	12.830	0.008	0.1	0.0023	0.0000	OK
180 minute summer	SW17	188	12.685	0.008	0.1	0.0071	0.0000	OK
180 minute summer	SW18	188	12.987	0.117	8.2	23.9912	0.0000	OK
180 minute summer	SW19	188	12.563	0.010	0.2	0.0029	0.0000	OK
180 minute summer	SW20	184	12.699	0.129	1.7	4.7053	0.0000	SURCHARGED
180 minute summer	SW21	192	11.573	0.015	0.5	0.0043	0.0000	OK
180 minute summer	SW22	184	12.083	0.123	2.6	7.2158	0.0000	SURCHARGED
180 minute summer	SW23	192	11.028	0.019	0.8	0.0054	0.0000	OK
180 minute summer	SW24	96	12.875	0.035	1.6	0.0000	0.0000	OK
180 minute summer	SW25	96	12.692	0.035	1.6	0.0099	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	SW1	1.000	SW2	0.1	0.280	0.007	0.0127	
180 minute summer	SW2	1.001	SW3	0.1	0.292	0.007	0.0055	
180 minute summer	SW3	1.002	SW4	0.1	0.246	0.006	0.0080	
180 minute summer	SW4	1.008	SW12	0.2	0.332	0.011	0.0209	
180 minute summer	SW5	1.003	SW6	1.0	0.559	0.166	0.0122	
180 minute summer	SW6	1.004	SW7	1.0	0.538	0.166	0.0165	
180 minute summer	SW7	1.005	SW8	1.0	0.540	0.166	0.0019	
180 minute summer	SW8	Flow through Pond	SW9	0.8	0.016	0.000	3.7477	
180 minute summer	SW9	1.007	SW4	0.1	0.207	0.013	0.0005	
180 minute summer	SW10	1.006	SW11	0.6	0.890	0.043	0.0022	
180 minute summer	SW11	Flow through Pond	SW9	0.8	0.016	0.000	3.7477	
180 minute summer	SW12	1.009	SW13	0.2	0.270	0.011	0.0177	
180 minute summer	SW13	1.010	SW21	0.4	0.376	0.008	0.0078	
180 minute summer	SW14	2.000	SW15	0.1	0.265	0.013	0.0066	
180 minute summer	SW15	2.001	SW16	0.1	0.265	0.013	0.0020	
180 minute summer	SW16	2.002	SW17	0.1	0.259	0.013	0.0043	
180 minute summer	SW17	2.003	SW19	0.1	0.333	0.006	0.0026	
180 minute summer	SW18	3.000	SW17	0.1	0.306	0.003	0.0002	
180 minute summer	SW19	2.004	SW13	0.2	0.434	0.009	0.0026	
180 minute summer	SW20	4.000	SW19	0.1	0.211	0.012	0.0006	
180 minute summer	SW21	1.011	SW23	0.5	0.352	0.009	0.0699	
180 minute summer	SW22	5.000	SW21	0.1	0.160	0.007	0.0071	
180 minute summer	SW23	6.010	SW40	0.8	0.522	0.014	0.0133	
180 minute summer	SW24	6.000	SW25	1.6	0.650	0.265	0.0451	
180 minute summer	SW25	6.001	SW26	1.6	0.602	0.265	0.0577	

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Results for 2 year +45% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.66%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	SW26	96	12.479	0.039	1.9	0.0000	0.0000	OK
180 minute summer	SW27	92	12.809	0.009	0.3	0.0000	0.0000	OK
180 minute summer	SW28	96	12.421	0.043	2.7	0.0372	0.0000	OK
180 minute summer	SW29	96	12.855	0.025	0.8	0.0000	0.0000	OK
180 minute summer	SW30	96	12.383	0.041	2.7	0.0356	0.0000	OK
180 minute summer	SW31	188	11.884	0.226	2.7	0.0000	0.0000	OK
180 minute summer	SW32	188	11.884	0.230	1.4	0.0650	0.0000	SURCHARGED
180 minute summer	SW33	188	11.579	0.010	0.1	0.0086	0.0000	OK
180 minute summer	SW34	188	13.469	0.119	3.9	11.1932	0.0000	SURCHARGED
180 minute summer	SW35	188	11.429	0.010	0.1	0.0028	0.0000	OK
180 minute summer	SW36	192	11.356	0.010	0.1	0.0028	0.0000	OK
180 minute summer	SW37	188	11.197	0.013	0.3	0.0114	0.0000	OK
180 minute summer	SW38	184	12.860	0.190	3.1	8.4128	0.0000	SURCHARGED
180 minute summer	SW39	184	12.470	0.170	2.4	6.5144	0.0000	SURCHARGED
180 minute summer	SW40	188	10.239	0.001	1.0	0.0004	0.0000	OK
180 minute summer	SW41	184	12.356	0.136	2.4	6.4707	0.0000	SURCHARGED
180 minute summer	SW42	96	12.841	0.021	0.8	0.0000	0.0000	OK
180 minute summer	SW43	96	12.325	0.025	0.8	0.0071	0.0000	OK
180 minute summer	SW44	96	12.235	0.025	0.8	0.0072	0.0000	OK
180 minute summer	SW45	96	12.190	0.031	1.2	0.0088	0.0000	OK
180 minute summer	SW46	96	12.067	0.029	1.4	0.0082	0.0000	OK
180 minute summer	SW47	96	11.194	0.049	2.8	0.0139	0.0000	OK
180 minute summer	SW48	96	11.915	0.015	0.3	0.0000	0.0000	OK
180 minute summer	SW49	96	11.917	0.017	0.4	0.0000	0.0000	OK
180 minute summer	SW50	92	11.823	0.022	0.6	0.0035	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	SW26	6.002	SW28	1.9	0.626	0.315	0.0188	
180 minute summer	SW27	7.000	SW26	0.3	0.224	0.016	0.0062	
180 minute summer	SW28	6.003	SW30	2.7	0.670	0.152	0.0145	
180 minute summer	SW29	8.000	SW28	0.8	0.529	0.133	0.0074	
180 minute summer	SW30	6.004	SW31	2.7	0.709	0.152	0.0146	
180 minute summer	SW31	Flow through Pond	SW32	1.4	0.003	0.000	7.3597	
180 minute summer	SW32	6.005	SW33	0.1	0.265	0.013	0.0011	
180 minute summer	SW33	6.006	SW35	0.1	0.304	0.008	0.0074	
180 minute summer	SW34	9.000	SW33	0.1	0.324	0.008	0.0003	
180 minute summer	SW35	6.007	SW36	0.1	0.305	0.008	0.0036	
180 minute summer	SW36	6.008	SW37	0.1	0.243	0.008	0.0100	
180 minute summer	SW37	6.009	SW23	0.3	0.274	0.016	0.0180	
180 minute summer	SW38	10.000	SW37	0.1	0.386	0.015	0.0005	
180 minute summer	SW39	11.000	SW23	0.1	0.320	0.008	0.0003	
180 minute summer	SW40	Pump		1.0				19.8
180 minute summer	SW41	12.000	SW40	0.1	0.330	0.009	0.0005	
180 minute summer	SW42	13.000	SW43	0.8	0.676	0.093	0.0042	
180 minute summer	SW43	13.001	SW44	0.8	0.519	0.133	0.0139	
180 minute summer	SW44	13.002	SW45	0.8	0.443	0.133	0.0093	
180 minute summer	SW45	13.003	SW46	1.2	0.610	0.199	0.0238	
180 minute summer	SW46	13.004	SW47	1.4	0.760	0.175	0.0259	
180 minute summer	SW47	17.000	SW55	2.8	0.716	0.464	0.0580	
180 minute summer	SW48	14.000	SW47	0.3	0.401	0.050	0.0104	
180 minute summer	SW49	15.000	SW50	0.4	0.365	0.066	0.0109	
180 minute summer	SW50	15.001	SW51	0.6	0.534	0.099	0.0145	

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Results for 2 year +45% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.66%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	SW51	92	11.690	0.018	0.6	0.0029	0.0000	OK
180 minute summer	SW52	96	11.229	0.029	1.1	0.0082	0.0000	OK
180 minute summer	SW53	92	11.920	0.020	0.5	0.0000	0.0000	OK
180 minute summer	SW54	96	11.290	0.019	0.5	0.0055	0.0000	OK
180 minute summer	SW55	96	11.048	0.051	2.8	0.0036	0.0000	OK
180 minute summer	SW56	188	10.510	0.216	2.8	0.0000	0.0000	OK
180 minute summer	SW57	188	10.510	0.226	1.5	0.0641	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	SW51	15.002	SW52	0.6	0.428	0.072	0.0351	
180 minute summer	SW52	15.003	SW47	1.1	0.398	0.182	0.0158	
180 minute summer	SW53	16.000	SW54	0.5	0.460	0.083	0.0037	
180 minute summer	SW54	16.001	SW52	0.5	0.348	0.083	0.0105	
180 minute summer	SW55	17.001	SW56	2.8	0.731	0.464	0.0048	
180 minute summer	SW56	Flow through Pond	SW57	1.5	0.007	0.000	7.5749	
180 minute summer	SW57	17.002	SW40	0.1	0.528	0.013	0.0009	

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Results for 2 year +45% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.66%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	SW1	184	13.048	0.158	5.9	24.9201	0.0000	SURCHARGED
180 minute winter	SW2	184	12.591	0.009	0.1	0.0025	0.0000	OK
180 minute winter	SW3	188	12.452	0.008	0.1	0.0023	0.0000	OK
180 minute winter	SW4	184	12.240	0.011	0.2	0.0000	0.0000	OK
180 minute winter	SW5	96	13.123	0.023	0.7	0.0000	0.0000	OK
180 minute winter	SW6	96	13.055	0.023	0.7	0.0037	0.0000	OK
180 minute winter	SW7	96	12.967	0.024	0.7	0.0017	0.0000	OK
180 minute winter	SW8	180	12.467	0.212	0.7	0.0000	0.0000	OK
180 minute winter	SW9	180	12.467	0.224	0.5	0.0634	0.0000	SURCHARGED
180 minute winter	SW10	84	13.132	0.012	0.4	0.0000	0.0000	OK
180 minute winter	SW11	180	12.467	0.212	0.4	0.0000	0.0000	OK
180 minute winter	SW12	188	11.884	0.011	0.2	0.0032	0.0000	OK
180 minute winter	SW13	184	11.644	0.015	0.4	0.0126	0.0000	OK
180 minute winter	SW14	180	13.262	0.142	1.3	4.8563	0.0000	SURCHARGED
180 minute winter	SW15	184	12.900	0.008	0.1	0.0023	0.0000	OK
180 minute winter	SW16	184	12.830	0.008	0.1	0.0022	0.0000	OK
180 minute winter	SW17	184	12.685	0.008	0.1	0.0071	0.0000	OK
180 minute winter	SW18	184	12.987	0.117	5.6	23.9356	0.0000	OK
180 minute winter	SW19	184	12.563	0.010	0.2	0.0029	0.0000	OK
180 minute winter	SW20	180	12.699	0.129	1.2	4.6909	0.0000	SURCHARGED
180 minute winter	SW21	188	11.573	0.015	0.5	0.0043	0.0000	OK
180 minute winter	SW22	180	12.082	0.122	1.8	7.1513	0.0000	SURCHARGED
180 minute winter	SW23	188	11.028	0.019	0.8	0.0054	0.0000	OK
180 minute winter	SW24	92	12.869	0.029	1.1	0.0000	0.0000	OK
180 minute winter	SW25	96	12.686	0.029	1.1	0.0082	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	SW1	1.000	SW2	0.1	0.280	0.007	0.0127	
180 minute winter	SW2	1.001	SW3	0.1	0.292	0.007	0.0055	
180 minute winter	SW3	1.002	SW4	0.1	0.246	0.006	0.0080	
180 minute winter	SW4	1.008	SW12	0.2	0.332	0.011	0.0209	
180 minute winter	SW5	1.003	SW6	0.7	0.507	0.116	0.0094	
180 minute winter	SW6	1.004	SW7	0.7	0.489	0.116	0.0127	
180 minute winter	SW7	1.005	SW8	0.7	0.490	0.116	0.0015	
180 minute winter	SW8	Flow through Pond	SW9	0.5	0.016	0.000	3.7271	
180 minute winter	SW9	1.007	SW4	0.1	0.207	0.013	0.0005	
180 minute winter	SW10	1.006	SW11	0.4	0.786	0.028	0.0017	
180 minute winter	SW11	Flow through Pond	SW9	0.5	0.016	0.000	3.7271	
180 minute winter	SW12	1.009	SW13	0.2	0.270	0.011	0.0177	
180 minute winter	SW13	1.010	SW21	0.4	0.376	0.008	0.0078	
180 minute winter	SW14	2.000	SW15	0.1	0.264	0.013	0.0066	
180 minute winter	SW15	2.001	SW16	0.1	0.264	0.013	0.0020	
180 minute winter	SW16	2.002	SW17	0.1	0.259	0.013	0.0043	
180 minute winter	SW17	2.003	SW19	0.1	0.332	0.006	0.0026	
180 minute winter	SW18	3.000	SW17	0.1	0.306	0.003	0.0002	
180 minute winter	SW19	2.004	SW13	0.2	0.434	0.009	0.0026	
180 minute winter	SW20	4.000	SW19	0.1	0.212	0.012	0.0006	
180 minute winter	SW21	1.011	SW23	0.5	0.352	0.009	0.0698	
180 minute winter	SW22	5.000	SW21	0.1	0.195	0.007	0.0071	
180 minute winter	SW23	6.010	SW40	0.8	0.522	0.014	0.0133	
180 minute winter	SW24	6.000	SW25	1.1	0.586	0.182	0.0344	
180 minute winter	SW25	6.001	SW26	1.1	0.547	0.182	0.0437	

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Results for 2 year +45% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.66%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	SW26	96	12.472	0.032	1.3	0.0000	0.0000	OK
180 minute winter	SW27	80	12.807	0.007	0.2	0.0000	0.0000	OK
180 minute winter	SW28	96	12.412	0.034	1.8	0.0299	0.0000	OK
180 minute winter	SW29	88	12.850	0.020	0.5	0.0000	0.0000	OK
180 minute winter	SW30	96	12.375	0.033	1.8	0.0289	0.0000	OK
180 minute winter	SW31	184	11.879	0.221	1.8	0.0000	0.0000	OK
180 minute winter	SW32	184	11.879	0.225	0.9	0.0637	0.0000	SURCHARGED
180 minute winter	SW33	184	11.579	0.010	0.1	0.0086	0.0000	OK
180 minute winter	SW34	184	13.470	0.120	2.7	11.2333	0.0000	SURCHARGED
180 minute winter	SW35	184	11.429	0.010	0.1	0.0028	0.0000	OK
180 minute winter	SW36	188	11.356	0.010	0.1	0.0028	0.0000	OK
180 minute winter	SW37	184	11.197	0.013	0.3	0.0114	0.0000	OK
180 minute winter	SW38	180	12.863	0.193	2.2	8.5305	0.0000	SURCHARGED
180 minute winter	SW39	180	12.475	0.175	1.6	6.6796	0.0000	SURCHARGED
180 minute winter	SW40	188	10.239	0.001	1.0	0.0004	0.0000	OK
180 minute winter	SW41	180	12.360	0.140	1.6	6.6363	0.0000	SURCHARGED
180 minute winter	SW42	88	12.837	0.017	0.5	0.0000	0.0000	OK
180 minute winter	SW43	88	12.320	0.020	0.5	0.0056	0.0000	OK
180 minute winter	SW44	92	12.230	0.020	0.5	0.0055	0.0000	OK
180 minute winter	SW45	88	12.184	0.025	0.8	0.0071	0.0000	OK
180 minute winter	SW46	92	12.061	0.023	0.9	0.0065	0.0000	OK
180 minute winter	SW47	96	11.184	0.039	1.9	0.0111	0.0000	OK
180 minute winter	SW48	84	11.913	0.013	0.2	0.0000	0.0000	OK
180 minute winter	SW49	92	11.915	0.015	0.3	0.0000	0.0000	OK
180 minute winter	SW50	88	11.819	0.018	0.4	0.0029	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	SW26	6.002	SW28	1.3	0.572	0.215	0.0141	
180 minute winter	SW27	7.000	SW26	0.2	0.215	0.011	0.0046	
180 minute winter	SW28	6.003	SW30	1.8	0.604	0.101	0.0107	
180 minute winter	SW29	8.000	SW28	0.5	0.463	0.083	0.0053	
180 minute winter	SW30	6.004	SW31	1.8	0.634	0.101	0.0109	
180 minute winter	SW31	Flow through Pond	SW32	0.9	0.001	0.000	7.2073	
180 minute winter	SW32	6.005	SW33	0.1	0.264	0.013	0.0011	
180 minute winter	SW33	6.006	SW35	0.1	0.304	0.008	0.0073	
180 minute winter	SW34	9.000	SW33	0.1	0.324	0.008	0.0003	
180 minute winter	SW35	6.007	SW36	0.1	0.304	0.008	0.0036	
180 minute winter	SW36	6.008	SW37	0.1	0.242	0.008	0.0100	
180 minute winter	SW37	6.009	SW23	0.3	0.274	0.016	0.0180	
180 minute winter	SW38	10.000	SW37	0.1	0.387	0.015	0.0005	
180 minute winter	SW39	11.000	SW23	0.1	0.321	0.008	0.0003	
180 minute winter	SW40	Pump		1.0				19.8
180 minute winter	SW41	12.000	SW40	0.1	0.331	0.009	0.0005	
180 minute winter	SW42	13.000	SW43	0.5	0.591	0.058	0.0030	
180 minute winter	SW43	13.001	SW44	0.5	0.461	0.083	0.0098	
180 minute winter	SW44	13.002	SW45	0.5	0.383	0.083	0.0067	
180 minute winter	SW45	13.003	SW46	0.8	0.551	0.133	0.0175	
180 minute winter	SW46	13.004	SW47	0.9	0.671	0.112	0.0189	
180 minute winter	SW47	17.000	SW55	1.9	0.650	0.315	0.0433	
180 minute winter	SW48	14.000	SW47	0.2	0.355	0.033	0.0078	
180 minute winter	SW49	15.000	SW50	0.3	0.358	0.050	0.0085	
180 minute winter	SW50	15.001	SW51	0.4	0.474	0.066	0.0109	

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Results for 2 year +45% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.66%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	SW51	92	11.687	0.015	0.4	0.0024	0.0000	OK
180 minute winter	SW52	96	11.225	0.025	0.8	0.0070	0.0000	OK
180 minute winter	SW53	92	11.918	0.018	0.4	0.0000	0.0000	OK
180 minute winter	SW54	96	11.288	0.017	0.4	0.0049	0.0000	OK
180 minute winter	SW55	96	11.038	0.041	1.9	0.0029	0.0000	OK
180 minute winter	SW56	184	10.518	0.225	1.9	0.0000	0.0000	OK
180 minute winter	SW57	184	10.519	0.235	1.1	0.0664	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	SW51	15.002	SW52	0.4	0.381	0.048	0.0274	
180 minute winter	SW52	15.003	SW47	0.8	0.373	0.133	0.0120	
180 minute winter	SW53	16.000	SW54	0.4	0.431	0.066	0.0032	
180 minute winter	SW54	16.001	SW52	0.4	0.334	0.066	0.0086	
180 minute winter	SW55	17.001	SW56	1.9	0.662	0.315	0.0036	
180 minute winter	SW56	Flow through Pond	SW57	1.1	0.012	0.000	7.8610	
180 minute winter	SW57	17.002	SW40	0.1	0.531	0.013	0.0009	

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Results for 2 year +45% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	SW1	248	13.062	0.172	7.5	27.2337	0.0000	SURCHARGED
240 minute summer	SW2	248	12.591	0.009	0.1	0.0026	0.0000	OK
240 minute summer	SW3	248	12.452	0.008	0.1	0.0024	0.0000	OK
240 minute summer	SW4	248	12.240	0.011	0.2	0.0000	0.0000	OK
240 minute summer	SW5	124	13.125	0.025	0.8	0.0000	0.0000	OK
240 minute summer	SW6	124	13.057	0.025	0.8	0.0040	0.0000	OK
240 minute summer	SW7	124	12.969	0.026	0.8	0.0019	0.0000	OK
240 minute summer	SW8	244	12.496	0.241	0.8	0.0000	0.0000	OK
240 minute summer	SW9	244	12.496	0.253	0.7	0.0716	0.0000	SURCHARGED
240 minute summer	SW10	124	13.134	0.014	0.6	0.0000	0.0000	OK
240 minute summer	SW11	244	12.496	0.241	0.6	0.0000	0.0000	OK
240 minute summer	SW12	248	11.884	0.011	0.2	0.0032	0.0000	OK
240 minute summer	SW13	248	11.644	0.015	0.4	0.0128	0.0000	OK
240 minute summer	SW14	244	13.275	0.155	1.6	5.3348	0.0000	SURCHARGED
240 minute summer	SW15	244	12.900	0.008	0.1	0.0023	0.0000	OK
240 minute summer	SW16	248	12.830	0.008	0.1	0.0023	0.0000	OK
240 minute summer	SW17	248	12.685	0.008	0.2	0.0073	0.0000	OK
240 minute summer	SW18	248	12.997	0.127	7.1	26.1925	0.0000	OK
240 minute summer	SW19	248	12.563	0.010	0.2	0.0029	0.0000	OK
240 minute summer	SW20	244	12.704	0.134	1.5	4.8882	0.0000	SURCHARGED
240 minute summer	SW21	248	11.574	0.016	0.5	0.0044	0.0000	OK
240 minute summer	SW22	244	12.093	0.133	2.2	7.7937	0.0000	SURCHARGED
240 minute summer	SW23	248	11.029	0.020	0.9	0.0055	0.0000	OK
240 minute summer	SW24	124	12.873	0.033	1.4	0.0000	0.0000	OK
240 minute summer	SW25	124	12.690	0.033	1.4	0.0092	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	SW1	1.000	SW2	0.1	0.284	0.007	0.0131	
240 minute summer	SW2	1.001	SW3	0.1	0.297	0.007	0.0056	
240 minute summer	SW3	1.002	SW4	0.1	0.249	0.006	0.0083	
240 minute summer	SW4	1.008	SW12	0.2	0.337	0.012	0.0216	
240 minute summer	SW5	1.003	SW6	0.8	0.526	0.133	0.0103	
240 minute summer	SW6	1.004	SW7	0.8	0.507	0.133	0.0140	
240 minute summer	SW7	1.005	SW8	0.8	0.508	0.133	0.0016	
240 minute summer	SW8	Flow through Pond	SW9	0.7	0.016	0.000	4.2238	
240 minute summer	SW9	1.007	SW4	0.1	0.212	0.014	0.0006	
240 minute summer	SW10	1.006	SW11	0.6	0.887	0.042	0.0022	
240 minute summer	SW11	Flow through Pond	SW9	0.7	0.016	0.000	4.2238	
240 minute summer	SW12	1.009	SW13	0.2	0.276	0.012	0.0183	
240 minute summer	SW13	1.010	SW21	0.4	0.381	0.008	0.0081	
240 minute summer	SW14	2.000	SW15	0.1	0.268	0.013	0.0068	
240 minute summer	SW15	2.001	SW16	0.1	0.268	0.013	0.0021	
240 minute summer	SW16	2.002	SW17	0.1	0.263	0.013	0.0044	
240 minute summer	SW17	2.003	SW19	0.2	0.339	0.006	0.0027	
240 minute summer	SW18	3.000	SW17	0.1	0.310	0.003	0.0002	
240 minute summer	SW19	2.004	SW13	0.2	0.439	0.009	0.0027	
240 minute summer	SW20	4.000	SW19	0.1	0.212	0.012	0.0006	
240 minute summer	SW21	1.011	SW23	0.5	0.357	0.009	0.0719	
240 minute summer	SW22	5.000	SW21	0.1	0.162	0.007	0.0073	
240 minute summer	SW23	6.010	SW40	0.9	0.529	0.015	0.0137	
240 minute summer	SW24	6.000	SW25	1.4	0.626	0.231	0.0408	
240 minute summer	SW25	6.001	SW26	1.4	0.575	0.229	0.0523	

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Results for 2 year +45% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	SW26	124	12.477	0.037	1.7	0.0000	0.0000	OK
240 minute summer	SW27	124	12.809	0.009	0.3	0.0000	0.0000	OK
240 minute summer	SW28	124	12.418	0.040	2.4	0.0345	0.0000	OK
240 minute summer	SW29	124	12.853	0.023	0.7	0.0000	0.0000	OK
240 minute summer	SW30	124	12.380	0.038	2.4	0.0331	0.0000	OK
240 minute summer	SW31	248	11.900	0.242	2.3	0.0000	0.0000	OK
240 minute summer	SW32	248	11.900	0.246	1.2	0.0695	0.0000	SURCHARGED
240 minute summer	SW33	248	11.579	0.010	0.2	0.0087	0.0000	OK
240 minute summer	SW34	244	13.477	0.127	3.4	11.9886	0.0000	SURCHARGED
240 minute summer	SW35	248	11.429	0.010	0.2	0.0029	0.0000	OK
240 minute summer	SW36	248	11.356	0.010	0.2	0.0028	0.0000	OK
240 minute summer	SW37	248	11.197	0.013	0.3	0.0116	0.0000	OK
240 minute summer	SW38	244	12.876	0.206	2.7	9.0997	0.0000	SURCHARGED
240 minute summer	SW39	244	12.486	0.186	2.1	7.1172	0.0000	SURCHARGED
240 minute summer	SW40	16	10.239	0.001	1.0	0.0006	0.0000	OK
240 minute summer	SW41	244	12.368	0.148	2.1	7.0556	0.0000	SURCHARGED
240 minute summer	SW42	124	12.840	0.020	0.7	0.0000	0.0000	OK
240 minute summer	SW43	124	12.323	0.023	0.7	0.0066	0.0000	OK
240 minute summer	SW44	124	12.233	0.023	0.7	0.0065	0.0000	OK
240 minute summer	SW45	124	12.188	0.029	1.1	0.0083	0.0000	OK
240 minute summer	SW46	124	12.065	0.027	1.3	0.0077	0.0000	OK
240 minute summer	SW47	124	11.191	0.046	2.6	0.0132	0.0000	OK
240 minute summer	SW48	128	11.915	0.015	0.3	0.0000	0.0000	OK
240 minute summer	SW49	124	11.917	0.017	0.4	0.0000	0.0000	OK
240 minute summer	SW50	124	11.823	0.022	0.6	0.0035	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	SW26	6.002	SW28	1.7	0.608	0.278	0.0171	
240 minute summer	SW27	7.000	SW26	0.3	0.231	0.016	0.0057	
240 minute summer	SW28	6.003	SW30	2.4	0.648	0.133	0.0131	
240 minute summer	SW29	8.000	SW28	0.7	0.507	0.115	0.0067	
240 minute summer	SW30	6.004	SW31	2.3	0.681	0.132	0.0132	
240 minute summer	SW31	Flow through Pond	SW32	1.2	0.002	0.000	7.8712	
240 minute summer	SW32	6.005	SW33	0.1	0.268	0.014	0.0011	
240 minute summer	SW33	6.006	SW35	0.2	0.307	0.009	0.0075	
240 minute summer	SW34	9.000	SW33	0.1	0.327	0.008	0.0003	
240 minute summer	SW35	6.007	SW36	0.2	0.308	0.009	0.0037	
240 minute summer	SW36	6.008	SW37	0.2	0.245	0.009	0.0103	
240 minute summer	SW37	6.009	SW23	0.3	0.277	0.016	0.0185	
240 minute summer	SW38	10.000	SW37	0.1	0.390	0.016	0.0005	
240 minute summer	SW39	11.000	SW23	0.1	0.324	0.008	0.0003	
240 minute summer	SW40	Pump		1.0				23.1
240 minute summer	SW41	12.000	SW40	0.1	0.334	0.009	0.0005	
240 minute summer	SW42	13.000	SW43	0.7	0.649	0.081	0.0038	
240 minute summer	SW43	13.001	SW44	0.7	0.501	0.114	0.0123	
240 minute summer	SW44	13.002	SW45	0.7	0.418	0.113	0.0084	
240 minute summer	SW45	13.003	SW46	1.1	0.589	0.177	0.0219	
240 minute summer	SW46	13.004	SW47	1.2	0.735	0.156	0.0239	
240 minute summer	SW47	17.000	SW55	2.6	0.701	0.423	0.0541	
240 minute summer	SW48	14.000	SW47	0.3	0.401	0.050	0.0104	
240 minute summer	SW49	15.000	SW50	0.4	0.363	0.065	0.0107	
240 minute summer	SW50	15.001	SW51	0.6	0.532	0.096	0.0142	

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Results for 2 year +45% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	SW51	124	11.690	0.018	0.6	0.0028	0.0000	OK
240 minute summer	SW52	124	11.228	0.028	1.1	0.0079	0.0000	OK
240 minute summer	SW53	124	11.920	0.020	0.5	0.0000	0.0000	OK
240 minute summer	SW54	124	11.290	0.019	0.5	0.0054	0.0000	OK
240 minute summer	SW55	124	11.045	0.048	2.6	0.0034	0.0000	OK
240 minute summer	SW56	244	10.521	0.227	2.5	0.0000	0.0000	OK
240 minute summer	SW57	244	10.521	0.237	1.3	0.0672	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	SW51	15.002	SW52	0.6	0.424	0.068	0.0337	
240 minute summer	SW52	15.003	SW47	1.0	0.389	0.171	0.0148	
240 minute summer	SW53	16.000	SW54	0.5	0.458	0.081	0.0037	
240 minute summer	SW54	16.001	SW52	0.5	0.344	0.080	0.0101	
240 minute summer	SW55	17.001	SW56	2.5	0.713	0.420	0.0045	
240 minute summer	SW56	Flow through Pond	SW57	1.3	0.004	0.000	7.9480	
240 minute summer	SW57	17.002	SW40	0.1	0.531	0.013	0.0009	

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Results for 2 year +45% CC 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	SW1	244	13.062	0.172	5.0	27.3409	0.0000	SURCHARGED
240 minute winter	SW2	244	12.591	0.009	0.1	0.0026	0.0000	OK
240 minute winter	SW3	248	12.452	0.008	0.1	0.0024	0.0000	OK
240 minute winter	SW4	244	12.240	0.011	0.2	0.0000	0.0000	OK
240 minute winter	SW5	124	13.122	0.022	0.6	0.0000	0.0000	OK
240 minute winter	SW6	128	13.054	0.022	0.6	0.0034	0.0000	OK
240 minute winter	SW7	128	12.966	0.023	0.6	0.0016	0.0000	OK
240 minute winter	SW8	240	12.495	0.240	0.6	0.0000	0.0000	OK
240 minute winter	SW9	240	12.495	0.252	0.5	0.0712	0.0000	SURCHARGED
240 minute winter	SW10	120	13.132	0.012	0.4	0.0000	0.0000	OK
240 minute winter	SW11	240	12.495	0.240	0.4	0.0000	0.0000	OK
240 minute winter	SW12	244	11.884	0.011	0.2	0.0032	0.0000	OK
240 minute winter	SW13	244	11.644	0.015	0.4	0.0129	0.0000	OK
240 minute winter	SW14	240	13.275	0.155	1.1	5.3387	0.0000	SURCHARGED
240 minute winter	SW15	240	12.900	0.008	0.1	0.0023	0.0000	OK
240 minute winter	SW16	244	12.830	0.008	0.1	0.0023	0.0000	OK
240 minute winter	SW17	244	12.685	0.008	0.2	0.0073	0.0000	OK
240 minute winter	SW18	244	12.998	0.128	4.7	26.2676	0.0000	OK
240 minute winter	SW19	244	12.563	0.010	0.2	0.0029	0.0000	OK
240 minute winter	SW20	240	12.709	0.139	1.0	5.0669	0.0000	SURCHARGED
240 minute winter	SW21	244	11.574	0.016	0.5	0.0044	0.0000	OK
240 minute winter	SW22	240	12.095	0.135	1.5	7.9352	0.0000	SURCHARGED
240 minute winter	SW23	244	11.029	0.020	0.9	0.0055	0.0000	OK
240 minute winter	SW24	120	12.866	0.026	0.9	0.0000	0.0000	OK
240 minute winter	SW25	124	12.683	0.026	0.9	0.0074	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	SW1	1.000	SW2	0.1	0.284	0.007	0.0131	
240 minute winter	SW2	1.001	SW3	0.1	0.297	0.007	0.0056	
240 minute winter	SW3	1.002	SW4	0.1	0.249	0.006	0.0083	
240 minute winter	SW4	1.008	SW12	0.2	0.337	0.012	0.0216	
240 minute winter	SW5	1.003	SW6	0.6	0.486	0.099	0.0084	
240 minute winter	SW6	1.004	SW7	0.6	0.470	0.099	0.0113	
240 minute winter	SW7	1.005	SW8	0.6	0.469	0.099	0.0013	
240 minute winter	SW8	Flow through Pond	SW9	0.5	0.023	0.000	4.2020	
240 minute winter	SW9	1.007	SW4	0.1	0.211	0.014	0.0005	
240 minute winter	SW10	1.006	SW11	0.4	0.786	0.028	0.0017	
240 minute winter	SW11	Flow through Pond	SW9	0.5	0.023	0.000	4.2020	
240 minute winter	SW12	1.009	SW13	0.2	0.275	0.012	0.0183	
240 minute winter	SW13	1.010	SW21	0.4	0.381	0.008	0.0081	
240 minute winter	SW14	2.000	SW15	0.1	0.268	0.013	0.0068	
240 minute winter	SW15	2.001	SW16	0.1	0.268	0.013	0.0021	
240 minute winter	SW16	2.002	SW17	0.1	0.263	0.013	0.0044	
240 minute winter	SW17	2.003	SW19	0.2	0.338	0.006	0.0027	
240 minute winter	SW18	3.000	SW17	0.1	0.310	0.003	0.0002	
240 minute winter	SW19	2.004	SW13	0.2	0.440	0.009	0.0027	
240 minute winter	SW20	4.000	SW19	0.1	0.213	0.013	0.0006	
240 minute winter	SW21	1.011	SW23	0.5	0.358	0.009	0.0721	
240 minute winter	SW22	5.000	SW21	0.1	0.165	0.008	0.0074	
240 minute winter	SW23	6.010	SW40	0.9	0.529	0.015	0.0137	
240 minute winter	SW24	6.000	SW25	0.9	0.553	0.149	0.0298	
240 minute winter	SW25	6.001	SW26	0.9	0.511	0.149	0.0383	

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Results for 2 year +45% CC 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	SW26	124	12.469	0.029	1.1	0.0000	0.0000	OK
240 minute winter	SW27	112	12.807	0.007	0.2	0.0000	0.0000	OK
240 minute winter	SW28	124	12.409	0.031	1.5	0.0271	0.0000	OK
240 minute winter	SW29	112	12.848	0.018	0.4	0.0000	0.0000	OK
240 minute winter	SW30	124	12.372	0.030	1.5	0.0263	0.0000	OK
240 minute winter	SW31	244	11.904	0.246	1.5	0.0000	0.0000	OK
240 minute winter	SW32	244	11.904	0.250	0.8	0.0708	0.0000	SURCHARGED
240 minute winter	SW33	244	11.579	0.010	0.2	0.0088	0.0000	OK
240 minute winter	SW34	240	13.479	0.129	2.2	12.1092	0.0000	SURCHARGED
240 minute winter	SW35	244	11.429	0.010	0.2	0.0029	0.0000	OK
240 minute winter	SW36	244	11.356	0.010	0.2	0.0029	0.0000	OK
240 minute winter	SW37	244	11.197	0.013	0.3	0.0116	0.0000	OK
240 minute winter	SW38	240	12.875	0.205	1.8	9.0730	0.0000	SURCHARGED
240 minute winter	SW39	240	12.482	0.182	1.4	6.9864	0.0000	SURCHARGED
240 minute winter	SW40	244	10.239	0.001	1.0	0.0004	0.0000	OK
240 minute winter	SW41	240	12.366	0.146	1.4	6.9273	0.0000	SURCHARGED
240 minute winter	SW42	112	12.835	0.015	0.4	0.0000	0.0000	OK
240 minute winter	SW43	112	12.318	0.018	0.4	0.0050	0.0000	OK
240 minute winter	SW44	112	12.228	0.018	0.4	0.0050	0.0000	OK
240 minute winter	SW45	112	12.181	0.022	0.6	0.0062	0.0000	OK
240 minute winter	SW46	116	12.058	0.020	0.7	0.0057	0.0000	OK
240 minute winter	SW47	120	11.179	0.034	1.5	0.0097	0.0000	OK
240 minute winter	SW48	116	11.913	0.013	0.2	0.0000	0.0000	OK
240 minute winter	SW49	104	11.913	0.012	0.2	0.0000	0.0000	OK
240 minute winter	SW50	100	11.817	0.016	0.3	0.0025	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	SW26	6.002	SW28	1.1	0.551	0.182	0.0124	
240 minute winter	SW27	7.000	SW26	0.2	0.217	0.011	0.0042	
240 minute winter	SW28	6.003	SW30	1.5	0.576	0.084	0.0094	
240 minute winter	SW29	8.000	SW28	0.4	0.433	0.066	0.0045	
240 minute winter	SW30	6.004	SW31	1.5	0.602	0.084	0.0096	
240 minute winter	SW31	Flow through Pond	SW32	0.8	0.003	0.000	8.0131	
240 minute winter	SW32	6.005	SW33	0.1	0.269	0.014	0.0011	
240 minute winter	SW33	6.006	SW35	0.2	0.308	0.009	0.0076	
240 minute winter	SW34	9.000	SW33	0.1	0.327	0.008	0.0003	
240 minute winter	SW35	6.007	SW36	0.2	0.308	0.009	0.0037	
240 minute winter	SW36	6.008	SW37	0.2	0.246	0.009	0.0103	
240 minute winter	SW37	6.009	SW23	0.3	0.277	0.016	0.0185	
240 minute winter	SW38	10.000	SW37	0.1	0.390	0.016	0.0005	
240 minute winter	SW39	11.000	SW23	0.1	0.323	0.008	0.0003	
240 minute winter	SW40	Pump		1.0				23.0
240 minute winter	SW41	12.000	SW40	0.1	0.334	0.009	0.0005	
240 minute winter	SW42	13.000	SW43	0.4	0.554	0.047	0.0026	
240 minute winter	SW43	13.001	SW44	0.4	0.431	0.066	0.0084	
240 minute winter	SW44	13.002	SW45	0.4	0.369	0.066	0.0056	
240 minute winter	SW45	13.003	SW46	0.6	0.503	0.099	0.0144	
240 minute winter	SW46	13.004	SW47	0.7	0.624	0.087	0.0158	
240 minute winter	SW47	17.000	SW55	1.5	0.612	0.248	0.0363	
240 minute winter	SW48	14.000	SW47	0.2	0.355	0.033	0.0078	
240 minute winter	SW49	15.000	SW50	0.2	0.358	0.033	0.0067	
240 minute winter	SW50	15.001	SW51	0.3	0.436	0.050	0.0089	

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Results for 2 year +45% CC 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	SW51	104	11.685	0.013	0.3	0.0021	0.0000	OK
240 minute winter	SW52	116	11.221	0.021	0.6	0.0060	0.0000	OK
240 minute winter	SW53	116	11.915	0.015	0.3	0.0000	0.0000	OK
240 minute winter	SW54	116	11.286	0.015	0.3	0.0043	0.0000	OK
240 minute winter	SW55	116	11.033	0.036	1.5	0.0025	0.0000	OK
240 minute winter	SW56	240	10.524	0.231	1.5	0.0000	0.0000	OK
240 minute winter	SW57	240	10.525	0.241	0.8	0.0681	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	SW51	15.002	SW52	0.3	0.364	0.036	0.0224	
240 minute winter	SW52	15.003	SW47	0.6	0.337	0.099	0.0100	
240 minute winter	SW53	16.000	SW54	0.3	0.397	0.050	0.0026	
240 minute winter	SW54	16.001	SW52	0.3	0.308	0.050	0.0070	
240 minute winter	SW55	17.001	SW56	1.5	0.621	0.248	0.0030	
240 minute winter	SW56	Flow through Pond	SW57	0.8	0.008	0.000	8.0650	
240 minute winter	SW57	17.002	SW40	0.1	0.532	0.013	0.0009	

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Results for 2 year +45% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	SW1	368	13.079	0.189	5.8	30.0937	0.0000	SURCHARGED
360 minute summer	SW2	368	12.591	0.009	0.1	0.0026	0.0000	OK
360 minute summer	SW3	368	12.453	0.009	0.1	0.0024	0.0000	OK
360 minute summer	SW4	368	12.241	0.012	0.2	0.0000	0.0000	OK
360 minute summer	SW5	184	13.122	0.022	0.6	0.0000	0.0000	OK
360 minute summer	SW6	184	13.054	0.022	0.6	0.0034	0.0000	OK
360 minute summer	SW7	184	12.966	0.023	0.6	0.0016	0.0000	OK
360 minute summer	SW8	360	12.512	0.257	0.6	0.0000	0.0000	OK
360 minute summer	SW9	360	12.512	0.269	0.5	0.0761	0.0000	SURCHARGED
360 minute summer	SW10	184	13.132	0.012	0.4	0.0000	0.0000	OK
360 minute summer	SW11	360	12.512	0.257	0.4	0.0000	0.0000	OK
360 minute summer	SW12	368	11.885	0.012	0.2	0.0033	0.0000	OK
360 minute summer	SW13	368	11.644	0.015	0.4	0.0131	0.0000	OK
360 minute summer	SW14	360	13.282	0.162	1.2	5.5608	0.0000	SURCHARGED
360 minute summer	SW15	360	12.900	0.008	0.1	0.0023	0.0000	OK
360 minute summer	SW16	360	12.830	0.008	0.1	0.0023	0.0000	OK
360 minute summer	SW17	368	12.686	0.009	0.2	0.0074	0.0000	OK
360 minute summer	SW18	368	13.012	0.142	5.5	29.3934	0.0000	OK
360 minute summer	SW19	368	12.564	0.011	0.2	0.0030	0.0000	OK
360 minute summer	SW20	360	12.711	0.141	1.2	5.1551	0.0000	SURCHARGED
360 minute summer	SW21	368	11.574	0.016	0.5	0.0045	0.0000	OK
360 minute summer	SW22	360	12.104	0.144	1.7	8.4568	0.0000	SURCHARGED
360 minute summer	SW23	368	11.029	0.020	0.9	0.0056	0.0000	OK
360 minute summer	SW24	184	12.869	0.029	1.1	0.0000	0.0000	OK
360 minute summer	SW25	184	12.686	0.029	1.1	0.0081	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	SW1	1.000	SW2	0.1	0.289	0.007	0.0136	
360 minute summer	SW2	1.001	SW3	0.1	0.301	0.007	0.0058	
360 minute summer	SW3	1.002	SW4	0.1	0.254	0.006	0.0086	
360 minute summer	SW4	1.008	SW12	0.2	0.342	0.012	0.0223	
360 minute summer	SW5	1.003	SW6	0.6	0.486	0.099	0.0084	
360 minute summer	SW6	1.004	SW7	0.6	0.470	0.099	0.0113	
360 minute summer	SW7	1.005	SW8	0.6	0.469	0.099	0.0013	
360 minute summer	SW8	Flow through Pond	SW9	0.5	0.010	0.000	4.4924	
360 minute summer	SW9	1.007	SW4	0.1	0.214	0.014	0.0006	
360 minute summer	SW10	1.006	SW11	0.4	0.786	0.028	0.0017	
360 minute summer	SW11	Flow through Pond	SW9	0.5	0.010	0.000	4.4924	
360 minute summer	SW12	1.009	SW13	0.2	0.280	0.012	0.0188	
360 minute summer	SW13	1.010	SW21	0.4	0.385	0.009	0.0083	
360 minute summer	SW14	2.000	SW15	0.1	0.270	0.014	0.0069	
360 minute summer	SW15	2.001	SW16	0.1	0.270	0.014	0.0021	
360 minute summer	SW16	2.002	SW17	0.1	0.264	0.014	0.0045	
360 minute summer	SW17	2.003	SW19	0.2	0.344	0.006	0.0028	
360 minute summer	SW18	3.000	SW17	0.1	0.315	0.003	0.0003	
360 minute summer	SW19	2.004	SW13	0.2	0.443	0.009	0.0027	
360 minute summer	SW20	4.000	SW19	0.1	0.213	0.013	0.0006	
360 minute summer	SW21	1.011	SW23	0.5	0.361	0.010	0.0739	
360 minute summer	SW22	5.000	SW21	0.1	0.165	0.008	0.0075	
360 minute summer	SW23	6.010	SW40	0.9	0.535	0.015	0.0141	
360 minute summer	SW24	6.000	SW25	1.1	0.586	0.181	0.0342	
360 minute summer	SW25	6.001	SW26	1.1	0.545	0.179	0.0431	

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Results for 2 year +45% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	SW26	184	12.472	0.032	1.3	0.0000	0.0000	OK
360 minute summer	SW27	176	12.807	0.007	0.2	0.0000	0.0000	OK
360 minute summer	SW28	184	12.412	0.034	1.8	0.0295	0.0000	OK
360 minute summer	SW29	184	12.850	0.020	0.5	0.0000	0.0000	OK
360 minute summer	SW30	184	12.375	0.033	1.8	0.0285	0.0000	OK
360 minute summer	SW31	368	11.917	0.259	1.8	0.0000	0.0000	OK
360 minute summer	SW32	368	11.917	0.263	0.9	0.0743	0.0000	SURCHARGED
360 minute summer	SW33	368	11.579	0.010	0.2	0.0089	0.0000	OK
360 minute summer	SW34	368	13.488	0.138	2.6	13.0159	0.0000	SURCHARGED
360 minute summer	SW35	368	11.429	0.010	0.2	0.0029	0.0000	OK
360 minute summer	SW36	368	11.356	0.010	0.2	0.0029	0.0000	OK
360 minute summer	SW37	368	11.198	0.014	0.3	0.0118	0.0000	OK
360 minute summer	SW38	360	12.891	0.221	2.1	9.7844	0.0000	SURCHARGED
360 minute summer	SW39	360	12.502	0.202	1.6	7.7715	0.0000	SURCHARGED
360 minute summer	SW40	368	10.239	0.001	1.1	0.0005	0.0000	OK
360 minute summer	SW41	360	12.381	0.161	1.6	7.6776	0.0000	SURCHARGED
360 minute summer	SW42	184	12.837	0.017	0.5	0.0000	0.0000	OK
360 minute summer	SW43	184	12.320	0.020	0.5	0.0056	0.0000	OK
360 minute summer	SW44	184	12.229	0.019	0.5	0.0055	0.0000	OK
360 minute summer	SW45	184	12.184	0.025	0.8	0.0071	0.0000	OK
360 minute summer	SW46	184	12.061	0.023	0.9	0.0064	0.0000	OK
360 minute summer	SW47	184	11.183	0.038	1.8	0.0108	0.0000	OK
360 minute summer	SW48	176	11.913	0.013	0.2	0.0000	0.0000	OK
360 minute summer	SW49	184	11.915	0.015	0.3	0.0000	0.0000	OK
360 minute summer	SW50	184	11.819	0.018	0.4	0.0028	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	SW26	6.002	SW28	1.3	0.569	0.211	0.0139	
360 minute summer	SW27	7.000	SW26	0.2	0.218	0.011	0.0046	
360 minute summer	SW28	6.003	SW30	1.8	0.602	0.099	0.0105	
360 minute summer	SW29	8.000	SW28	0.5	0.461	0.082	0.0053	
360 minute summer	SW30	6.004	SW31	1.8	0.628	0.099	0.0107	
360 minute summer	SW31	Flow through Pond	SW32	0.9	0.001	0.000	8.4224	
360 minute summer	SW32	6.005	SW33	0.1	0.271	0.014	0.0011	
360 minute summer	SW33	6.006	SW35	0.2	0.311	0.009	0.0077	
360 minute summer	SW34	9.000	SW33	0.1	0.330	0.009	0.0004	
360 minute summer	SW35	6.007	SW36	0.2	0.311	0.009	0.0038	
360 minute summer	SW36	6.008	SW37	0.2	0.248	0.009	0.0105	
360 minute summer	SW37	6.009	SW23	0.3	0.279	0.017	0.0190	
360 minute summer	SW38	10.000	SW37	0.1	0.394	0.016	0.0005	
360 minute summer	SW39	11.000	SW23	0.1	0.328	0.009	0.0003	
360 minute summer	SW40	Pump		1.1				28.6
360 minute summer	SW41	12.000	SW40	0.1	0.339	0.010	0.0005	
360 minute summer	SW42	13.000	SW43	0.5	0.589	0.058	0.0030	
360 minute summer	SW43	13.001	SW44	0.5	0.460	0.082	0.0096	
360 minute summer	SW44	13.002	SW45	0.5	0.380	0.081	0.0066	
360 minute summer	SW45	13.003	SW46	0.8	0.549	0.129	0.0172	
360 minute summer	SW46	13.004	SW47	0.9	0.664	0.109	0.0184	
360 minute summer	SW47	17.000	SW55	1.8	0.644	0.301	0.0419	
360 minute summer	SW48	14.000	SW47	0.2	0.355	0.033	0.0078	
360 minute summer	SW49	15.000	SW50	0.3	0.350	0.049	0.0083	
360 minute summer	SW50	15.001	SW51	0.4	0.473	0.065	0.0107	

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Results for 2 year +45% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	SW51	184	11.687	0.015	0.4	0.0023	0.0000	OK
360 minute summer	SW52	184	11.224	0.024	0.8	0.0068	0.0000	OK
360 minute summer	SW53	184	11.918	0.018	0.4	0.0000	0.0000	OK
360 minute summer	SW54	184	11.288	0.017	0.4	0.0049	0.0000	OK
360 minute summer	SW55	184	11.037	0.040	1.8	0.0028	0.0000	OK
360 minute summer	SW56	320	10.524	0.231	1.8	0.0000	0.0000	OK
360 minute summer	SW57	320	10.525	0.241	0.9	0.0681	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	SW51	15.002	SW52	0.4	0.363	0.046	0.0265	
360 minute summer	SW52	15.003	SW47	0.8	0.367	0.126	0.0116	
360 minute summer	SW53	16.000	SW54	0.4	0.430	0.065	0.0031	
360 minute summer	SW54	16.001	SW52	0.4	0.335	0.065	0.0084	
360 minute summer	SW55	17.001	SW56	1.8	0.653	0.300	0.0035	
360 minute summer	SW56	Flow through Pond	SW57	0.9	0.003	0.000	8.0663	
360 minute summer	SW57	17.002	SW40	0.1	0.531	0.013	0.0009	

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Results for 2 year +45% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	SW1	360	13.080	0.190	3.7	30.1675	0.0000	SURCHARGED
360 minute winter	SW2	360	12.591	0.009	0.1	0.0026	0.0000	OK
360 minute winter	SW3	360	12.453	0.009	0.1	0.0024	0.0000	OK
360 minute winter	SW4	352	12.241	0.012	0.2	0.0000	0.0000	OK
360 minute winter	SW5	168	13.118	0.018	0.4	0.0000	0.0000	OK
360 minute winter	SW6	168	13.050	0.018	0.4	0.0028	0.0000	OK
360 minute winter	SW7	168	12.961	0.018	0.4	0.0013	0.0000	OK
360 minute winter	SW8	344	12.506	0.251	0.4	0.0000	0.0000	OK
360 minute winter	SW9	344	12.506	0.263	0.4	0.0744	0.0000	SURCHARGED
360 minute winter	SW10	176	13.130	0.010	0.3	0.0000	0.0000	OK
360 minute winter	SW11	344	12.506	0.251	0.3	0.0000	0.0000	OK
360 minute winter	SW12	360	11.885	0.012	0.2	0.0033	0.0000	OK
360 minute winter	SW13	360	11.644	0.015	0.4	0.0130	0.0000	OK
360 minute winter	SW14	352	13.278	0.158	0.8	5.4421	0.0000	SURCHARGED
360 minute winter	SW15	352	12.900	0.008	0.1	0.0023	0.0000	OK
360 minute winter	SW16	352	12.830	0.008	0.1	0.0023	0.0000	OK
360 minute winter	SW17	360	12.686	0.009	0.2	0.0074	0.0000	OK
360 minute winter	SW18	360	13.012	0.142	3.6	29.2606	0.0000	OK
360 minute winter	SW19	360	12.563	0.010	0.2	0.0030	0.0000	OK
360 minute winter	SW20	352	12.709	0.139	0.7	5.0783	0.0000	SURCHARGED
360 minute winter	SW21	360	11.574	0.016	0.5	0.0045	0.0000	OK
360 minute winter	SW22	352	12.106	0.146	1.1	8.6052	0.0000	SURCHARGED
360 minute winter	SW23	360	11.029	0.020	0.9	0.0056	0.0000	OK
360 minute winter	SW24	184	12.863	0.023	0.7	0.0000	0.0000	OK
360 minute winter	SW25	184	12.680	0.023	0.7	0.0065	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	SW1	1.000	SW2	0.1	0.289	0.007	0.0136	
360 minute winter	SW2	1.001	SW3	0.1	0.301	0.007	0.0058	
360 minute winter	SW3	1.002	SW4	0.1	0.255	0.006	0.0085	
360 minute winter	SW4	1.008	SW12	0.2	0.341	0.012	0.0222	
360 minute winter	SW5	1.003	SW6	0.4	0.433	0.066	0.0063	
360 minute winter	SW6	1.004	SW7	0.4	0.419	0.066	0.0084	
360 minute winter	SW7	1.005	SW8	0.4	0.418	0.066	0.0010	
360 minute winter	SW8	Flow through Pond	SW9	0.4	0.008	0.000	4.3948	
360 minute winter	SW9	1.007	SW4	0.1	0.212	0.014	0.0006	
360 minute winter	SW10	1.006	SW11	0.3	0.721	0.021	0.0014	
360 minute winter	SW11	Flow through Pond	SW9	0.4	0.008	0.000	4.3948	
360 minute winter	SW12	1.009	SW13	0.2	0.280	0.012	0.0187	
360 minute winter	SW13	1.010	SW21	0.4	0.384	0.009	0.0083	
360 minute winter	SW14	2.000	SW15	0.1	0.269	0.013	0.0069	
360 minute winter	SW15	2.001	SW16	0.1	0.269	0.013	0.0021	
360 minute winter	SW16	2.002	SW17	0.1	0.262	0.013	0.0045	
360 minute winter	SW17	2.003	SW19	0.2	0.343	0.006	0.0028	
360 minute winter	SW18	3.000	SW17	0.1	0.314	0.003	0.0003	
360 minute winter	SW19	2.004	SW13	0.2	0.442	0.009	0.0027	
360 minute winter	SW20	4.000	SW19	0.1	0.212	0.013	0.0006	
360 minute winter	SW21	1.011	SW23	0.5	0.361	0.010	0.0737	
360 minute winter	SW22	5.000	SW21	0.1	0.166	0.008	0.0075	
360 minute winter	SW23	6.010	SW40	0.9	0.535	0.015	0.0141	
360 minute winter	SW24	6.000	SW25	0.7	0.515	0.116	0.0249	
360 minute winter	SW25	6.001	SW26	0.7	0.489	0.116	0.0311	

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Results for 2 year +45% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	SW26	184	12.465	0.025	0.8	0.0000	0.0000	OK
360 minute winter	SW27	120	12.805	0.005	0.1	0.0000	0.0000	OK
360 minute winter	SW28	184	12.405	0.027	1.1	0.0231	0.0000	OK
360 minute winter	SW29	160	12.845	0.015	0.3	0.0000	0.0000	OK
360 minute winter	SW30	184	12.368	0.026	1.1	0.0225	0.0000	OK
360 minute winter	SW31	360	11.922	0.264	1.1	0.0000	0.0000	OK
360 minute winter	SW32	360	11.922	0.268	0.6	0.0759	0.0000	SURCHARGED
360 minute winter	SW33	360	11.579	0.010	0.2	0.0089	0.0000	OK
360 minute winter	SW34	360	13.490	0.140	1.7	13.1823	0.0000	SURCHARGED
360 minute winter	SW35	360	11.429	0.010	0.2	0.0029	0.0000	OK
360 minute winter	SW36	360	11.356	0.010	0.2	0.0029	0.0000	OK
360 minute winter	SW37	352	11.198	0.014	0.3	0.0118	0.0000	OK
360 minute winter	SW38	352	12.885	0.215	1.4	9.5239	0.0000	SURCHARGED
360 minute winter	SW39	352	12.501	0.201	1.0	7.7333	0.0000	SURCHARGED
360 minute winter	SW40	360	10.239	0.001	1.1	0.0005	0.0000	OK
360 minute winter	SW41	352	12.380	0.160	1.0	7.6421	0.0000	SURCHARGED
360 minute winter	SW42	160	12.833	0.013	0.3	0.0000	0.0000	OK
360 minute winter	SW43	160	12.315	0.015	0.3	0.0044	0.0000	OK
360 minute winter	SW44	216	12.225	0.015	0.3	0.0043	0.0000	OK
360 minute winter	SW45	168	12.179	0.020	0.5	0.0056	0.0000	OK
360 minute winter	SW46	168	12.057	0.019	0.6	0.0053	0.0000	OK
360 minute winter	SW47	176	11.176	0.031	1.2	0.0086	0.0000	OK
360 minute winter	SW48	128	11.909	0.009	0.1	0.0000	0.0000	OK
360 minute winter	SW49	168	11.913	0.012	0.2	0.0000	0.0000	OK
360 minute winter	SW50	168	11.817	0.016	0.3	0.0025	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	SW26	6.002	SW28	0.8	0.503	0.133	0.0098	
360 minute winter	SW27	7.000	SW26	0.1	0.202	0.005	0.0032	
360 minute winter	SW28	6.003	SW30	1.1	0.531	0.062	0.0075	
360 minute winter	SW29	8.000	SW28	0.3	0.399	0.050	0.0037	
360 minute winter	SW30	6.004	SW31	1.1	0.550	0.062	0.0077	
360 minute winter	SW31	Flow through Pond	SW32	0.6	0.001	0.000	8.6035	
360 minute winter	SW32	6.005	SW33	0.1	0.272	0.014	0.0011	
360 minute winter	SW33	6.006	SW35	0.2	0.312	0.009	0.0078	
360 minute winter	SW34	9.000	SW33	0.1	0.331	0.009	0.0004	
360 minute winter	SW35	6.007	SW36	0.2	0.312	0.009	0.0038	
360 minute winter	SW36	6.008	SW37	0.2	0.250	0.009	0.0105	
360 minute winter	SW37	6.009	SW23	0.3	0.279	0.017	0.0189	
360 minute winter	SW38	10.000	SW37	0.1	0.393	0.016	0.0005	
360 minute winter	SW39	11.000	SW23	0.1	0.328	0.009	0.0003	
360 minute winter	SW40	Pump		1.1				28.6
360 minute winter	SW41	12.000	SW40	0.1	0.338	0.010	0.0005	
360 minute winter	SW42	13.000	SW43	0.3	0.509	0.035	0.0021	
360 minute winter	SW43	13.001	SW44	0.3	0.398	0.050	0.0068	
360 minute winter	SW44	13.002	SW45	0.3	0.355	0.050	0.0047	
360 minute winter	SW45	13.003	SW46	0.5	0.474	0.083	0.0128	
360 minute winter	SW46	13.004	SW47	0.6	0.596	0.075	0.0141	
360 minute winter	SW47	17.000	SW55	1.2	0.577	0.199	0.0308	
360 minute winter	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
360 minute winter	SW49	15.000	SW50	0.2	0.298	0.033	0.0067	
360 minute winter	SW50	15.001	SW51	0.3	0.436	0.050	0.0089	

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Results for 2 year +45% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	SW51	168	11.685	0.013	0.3	0.0021	0.0000	OK
360 minute winter	SW52	176	11.220	0.020	0.5	0.0055	0.0000	OK
360 minute winter	SW53	152	11.913	0.013	0.2	0.0000	0.0000	OK
360 minute winter	SW54	152	11.284	0.013	0.2	0.0035	0.0000	OK
360 minute winter	SW55	176	11.029	0.032	1.2	0.0023	0.0000	OK
360 minute winter	SW56	344	10.537	0.244	1.2	0.0000	0.0000	OK
360 minute winter	SW57	344	10.538	0.254	0.6	0.0718	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	SW51	15.002	SW52	0.3	0.364	0.036	0.0206	
360 minute winter	SW52	15.003	SW47	0.5	0.327	0.083	0.0086	
360 minute winter	SW53	16.000	SW54	0.2	0.352	0.033	0.0019	
360 minute winter	SW54	16.001	SW52	0.2	0.323	0.033	0.0058	
360 minute winter	SW55	17.001	SW56	1.2	0.585	0.199	0.0026	
360 minute winter	SW56	Flow through Pond	SW57	0.6	0.003	0.000	8.5078	
360 minute winter	SW57	17.002	SW40	0.1	0.536	0.014	0.0009	

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Results for 2 year +45% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.71%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	SW1	488	13.090	0.200	4.5	31.8639	0.0000	SURCHARGED
480 minute summer	SW2	488	12.591	0.009	0.1	0.0027	0.0000	OK
480 minute summer	SW3	488	12.453	0.009	0.1	0.0025	0.0000	OK
480 minute summer	SW4	448	12.241	0.012	0.2	0.0000	0.0000	OK
480 minute summer	SW5	248	13.120	0.020	0.5	0.0000	0.0000	OK
480 minute summer	SW6	248	13.052	0.020	0.5	0.0031	0.0000	OK
480 minute summer	SW7	248	12.964	0.021	0.5	0.0015	0.0000	OK
480 minute summer	SW8	432	12.500	0.245	0.5	0.0000	0.0000	OK
480 minute summer	SW9	432	12.499	0.256	0.4	0.0726	0.0000	SURCHARGED
480 minute summer	SW10	232	13.130	0.010	0.3	0.0000	0.0000	OK
480 minute summer	SW11	432	12.500	0.244	0.3	0.0000	0.0000	OK
480 minute summer	SW12	448	11.885	0.012	0.2	0.0033	0.0000	OK
480 minute summer	SW13	480	11.644	0.015	0.5	0.0131	0.0000	OK
480 minute summer	SW14	480	13.286	0.166	1.0	5.7126	0.0000	SURCHARGED
480 minute summer	SW15	480	12.900	0.008	0.1	0.0023	0.0000	OK
480 minute summer	SW16	480	12.830	0.008	0.1	0.0023	0.0000	OK
480 minute summer	SW17	488	12.686	0.009	0.2	0.0075	0.0000	OK
480 minute summer	SW18	488	13.021	0.151	4.3	31.1827	0.0000	SURCHARGED
480 minute summer	SW19	488	12.564	0.011	0.2	0.0030	0.0000	OK
480 minute summer	SW20	480	12.718	0.148	0.9	5.4147	0.0000	SURCHARGED
480 minute summer	SW21	488	11.574	0.016	0.5	0.0045	0.0000	OK
480 minute summer	SW22	480	12.106	0.146	1.4	8.6177	0.0000	SURCHARGED
480 minute summer	SW23	488	11.029	0.020	0.9	0.0057	0.0000	OK
480 minute summer	SW24	248	12.865	0.025	0.8	0.0000	0.0000	OK
480 minute summer	SW25	248	12.682	0.025	0.8	0.0070	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	SW1	1.000	SW2	0.1	0.291	0.007	0.0139	
480 minute summer	SW2	1.001	SW3	0.1	0.304	0.007	0.0060	
480 minute summer	SW3	1.002	SW4	0.1	0.260	0.007	0.0086	
480 minute summer	SW4	1.008	SW12	0.2	0.342	0.012	0.0223	
480 minute summer	SW5	1.003	SW6	0.5	0.462	0.083	0.0074	
480 minute summer	SW6	1.004	SW7	0.5	0.447	0.083	0.0099	
480 minute summer	SW7	1.005	SW8	0.5	0.446	0.083	0.0012	
480 minute summer	SW8	Flow through Pond	SW9	0.4	0.008	0.000	4.2830	
480 minute summer	SW9	1.007	SW4	0.1	0.210	0.014	0.0006	
480 minute summer	SW10	1.006	SW11	0.3	0.721	0.021	0.0014	
480 minute summer	SW11	Flow through Pond	SW9	0.4	0.008	0.000	4.2830	
480 minute summer	SW12	1.009	SW13	0.2	0.279	0.012	0.0189	
480 minute summer	SW13	1.010	SW21	0.5	0.386	0.009	0.0084	
480 minute summer	SW14	2.000	SW15	0.1	0.271	0.014	0.0070	
480 minute summer	SW15	2.001	SW16	0.1	0.271	0.014	0.0021	
480 minute summer	SW16	2.002	SW17	0.1	0.264	0.014	0.0046	
480 minute summer	SW17	2.003	SW19	0.2	0.346	0.006	0.0028	
480 minute summer	SW18	3.000	SW17	0.1	0.317	0.003	0.0003	
480 minute summer	SW19	2.004	SW13	0.2	0.446	0.010	0.0028	
480 minute summer	SW20	4.000	SW19	0.1	0.214	0.013	0.0006	
480 minute summer	SW21	1.011	SW23	0.5	0.363	0.010	0.0745	
480 minute summer	SW22	5.000	SW21	0.1	0.165	0.008	0.0076	
480 minute summer	SW23	6.010	SW40	0.9	0.537	0.016	0.0142	
480 minute summer	SW24	6.000	SW25	0.8	0.535	0.133	0.0274	
480 minute summer	SW25	6.001	SW26	0.8	0.491	0.133	0.0354	

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Results for 2 year +45% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.71%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	SW26	248	12.468	0.028	1.0	0.0000	0.0000	OK
480 minute summer	SW27	248	12.807	0.007	0.2	0.0000	0.0000	OK
480 minute summer	SW28	248	12.408	0.030	1.4	0.0261	0.0000	OK
480 minute summer	SW29	248	12.848	0.018	0.4	0.0000	0.0000	OK
480 minute summer	SW30	248	12.371	0.029	1.4	0.0254	0.0000	OK
480 minute summer	SW31	488	11.916	0.258	1.4	0.0000	0.0000	OK
480 minute summer	SW32	488	11.916	0.262	0.7	0.0742	0.0000	SURCHARGED
480 minute summer	SW33	488	11.579	0.010	0.2	0.0090	0.0000	OK
480 minute summer	SW34	488	13.499	0.149	2.0	14.1381	0.0000	SURCHARGED
480 minute summer	SW35	488	11.429	0.010	0.2	0.0029	0.0000	OK
480 minute summer	SW36	488	11.356	0.010	0.2	0.0029	0.0000	OK
480 minute summer	SW37	480	11.198	0.014	0.3	0.0118	0.0000	OK
480 minute summer	SW38	464	12.892	0.222	1.6	9.8253	0.0000	SURCHARGED
480 minute summer	SW39	480	12.505	0.205	1.2	7.8903	0.0000	SURCHARGED
480 minute summer	SW40	480	10.239	0.001	1.1	0.0005	0.0000	OK
480 minute summer	SW41	480	12.383	0.163	1.2	7.7648	0.0000	SURCHARGED
480 minute summer	SW42	248	12.835	0.015	0.4	0.0000	0.0000	OK
480 minute summer	SW43	248	12.318	0.018	0.4	0.0050	0.0000	OK
480 minute summer	SW44	248	12.228	0.018	0.4	0.0050	0.0000	OK
480 minute summer	SW45	248	12.181	0.022	0.6	0.0062	0.0000	OK
480 minute summer	SW46	248	12.058	0.020	0.7	0.0057	0.0000	OK
480 minute summer	SW47	248	11.179	0.034	1.5	0.0097	0.0000	OK
480 minute summer	SW48	248	11.913	0.013	0.2	0.0000	0.0000	OK
480 minute summer	SW49	232	11.913	0.012	0.2	0.0000	0.0000	OK
480 minute summer	SW50	232	11.817	0.016	0.3	0.0025	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	SW26	6.002	SW28	1.0	0.532	0.166	0.0116	
480 minute summer	SW27	7.000	SW26	0.2	0.217	0.011	0.0039	
480 minute summer	SW28	6.003	SW30	1.4	0.566	0.079	0.0089	
480 minute summer	SW29	8.000	SW28	0.4	0.433	0.066	0.0045	
480 minute summer	SW30	6.004	SW31	1.4	0.590	0.079	0.0091	
480 minute summer	SW31	Flow through Pond	SW32	0.7	0.001	0.000	8.4113	
480 minute summer	SW32	6.005	SW33	0.1	0.271	0.014	0.0011	
480 minute summer	SW33	6.006	SW35	0.2	0.313	0.009	0.0079	
480 minute summer	SW34	9.000	SW33	0.1	0.335	0.009	0.0004	
480 minute summer	SW35	6.007	SW36	0.2	0.313	0.009	0.0038	
480 minute summer	SW36	6.008	SW37	0.2	0.251	0.009	0.0106	
480 minute summer	SW37	6.009	SW23	0.3	0.280	0.017	0.0191	
480 minute summer	SW38	10.000	SW37	0.1	0.395	0.016	0.0005	
480 minute summer	SW39	11.000	SW23	0.1	0.329	0.009	0.0003	
480 minute summer	SW40	Pump		1.1				33.8
480 minute summer	SW41	12.000	SW40	0.1	0.339	0.010	0.0005	
480 minute summer	SW42	13.000	SW43	0.4	0.554	0.047	0.0026	
480 minute summer	SW43	13.001	SW44	0.4	0.431	0.066	0.0084	
480 minute summer	SW44	13.002	SW45	0.4	0.369	0.066	0.0056	
480 minute summer	SW45	13.003	SW46	0.6	0.503	0.099	0.0144	
480 minute summer	SW46	13.004	SW47	0.7	0.624	0.087	0.0158	
480 minute summer	SW47	17.000	SW55	1.5	0.612	0.248	0.0363	
480 minute summer	SW48	14.000	SW47	0.2	0.355	0.033	0.0078	
480 minute summer	SW49	15.000	SW50	0.2	0.298	0.033	0.0067	
480 minute summer	SW50	15.001	SW51	0.3	0.436	0.050	0.0089	

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Results for 2 year +45% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.71%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	SW51	232	11.685	0.013	0.3	0.0021	0.0000	OK
480 minute summer	SW52	248	11.221	0.021	0.6	0.0060	0.0000	OK
480 minute summer	SW53	248	11.915	0.015	0.3	0.0000	0.0000	OK
480 minute summer	SW54	248	11.286	0.015	0.3	0.0043	0.0000	OK
480 minute summer	SW55	248	11.033	0.036	1.5	0.0025	0.0000	OK
480 minute summer	SW56	384	10.525	0.231	1.5	0.0000	0.0000	OK
480 minute summer	SW57	384	10.525	0.241	0.8	0.0683	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	SW51	15.002	SW52	0.3	0.364	0.036	0.0224	
480 minute summer	SW52	15.003	SW47	0.6	0.337	0.099	0.0100	
480 minute summer	SW53	16.000	SW54	0.3	0.397	0.050	0.0026	
480 minute summer	SW54	16.001	SW52	0.3	0.323	0.050	0.0070	
480 minute summer	SW55	17.001	SW56	1.5	0.621	0.248	0.0030	
480 minute summer	SW56	Flow through Pond	SW57	0.8	0.003	0.000	8.0831	
480 minute summer	SW57	17.002	SW40	0.1	0.531	0.013	0.0009	

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Results for 2 year +45% CC 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.71%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	SW1	480	13.090	0.200	3.0	31.8699	0.0000	SURCHARGED
480 minute winter	SW2	480	12.591	0.009	0.1	0.0027	0.0000	OK
480 minute winter	SW3	480	12.453	0.009	0.1	0.0025	0.0000	OK
480 minute winter	SW4	464	12.241	0.012	0.2	0.0000	0.0000	OK
480 minute winter	SW5	208	13.115	0.015	0.3	0.0000	0.0000	OK
480 minute winter	SW6	208	13.047	0.015	0.3	0.0024	0.0000	OK
480 minute winter	SW7	208	12.959	0.016	0.3	0.0011	0.0000	OK
480 minute winter	SW8	456	12.503	0.248	0.3	0.0000	0.0000	OK
480 minute winter	SW9	456	12.503	0.260	0.3	0.0735	0.0000	SURCHARGED
480 minute winter	SW10	200	13.128	0.008	0.2	0.0000	0.0000	OK
480 minute winter	SW11	456	12.503	0.248	0.2	0.0000	0.0000	OK
480 minute winter	SW12	472	11.885	0.012	0.2	0.0033	0.0000	OK
480 minute winter	SW13	472	11.644	0.015	0.5	0.0131	0.0000	OK
480 minute winter	SW14	472	13.284	0.164	0.6	5.6375	0.0000	SURCHARGED
480 minute winter	SW15	472	12.900	0.008	0.1	0.0023	0.0000	OK
480 minute winter	SW16	472	12.830	0.008	0.1	0.0023	0.0000	OK
480 minute winter	SW17	480	12.686	0.009	0.2	0.0075	0.0000	OK
480 minute winter	SW18	480	13.022	0.152	2.9	31.3575	0.0000	SURCHARGED
480 minute winter	SW19	472	12.564	0.011	0.2	0.0030	0.0000	OK
480 minute winter	SW20	464	12.718	0.148	0.6	5.4299	0.0000	SURCHARGED
480 minute winter	SW21	472	11.574	0.016	0.5	0.0045	0.0000	OK
480 minute winter	SW22	472	12.113	0.153	0.9	9.0166	0.0000	SURCHARGED
480 minute winter	SW23	472	11.029	0.020	0.9	0.0057	0.0000	OK
480 minute winter	SW24	248	12.861	0.021	0.6	0.0000	0.0000	OK
480 minute winter	SW25	248	12.678	0.021	0.6	0.0060	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	SW1	1.000	SW2	0.1	0.291	0.007	0.0139	
480 minute winter	SW2	1.001	SW3	0.1	0.304	0.007	0.0060	
480 minute winter	SW3	1.002	SW4	0.1	0.259	0.007	0.0087	
480 minute winter	SW4	1.008	SW12	0.2	0.343	0.012	0.0224	
480 minute winter	SW5	1.003	SW6	0.3	0.399	0.050	0.0051	
480 minute winter	SW6	1.004	SW7	0.3	0.387	0.050	0.0069	
480 minute winter	SW7	1.005	SW8	0.3	0.385	0.050	0.0008	
480 minute winter	SW8	Flow through Pond	SW9	0.3	0.008	0.000	4.3353	
480 minute winter	SW9	1.007	SW4	0.1	0.210	0.014	0.0006	
480 minute winter	SW10	1.006	SW11	0.2	0.638	0.014	0.0010	
480 minute winter	SW11	Flow through Pond	SW9	0.3	0.008	0.000	4.3353	
480 minute winter	SW12	1.009	SW13	0.2	0.280	0.012	0.0190	
480 minute winter	SW13	1.010	SW21	0.5	0.386	0.009	0.0084	
480 minute winter	SW14	2.000	SW15	0.1	0.271	0.014	0.0069	
480 minute winter	SW15	2.001	SW16	0.1	0.271	0.014	0.0021	
480 minute winter	SW16	2.002	SW17	0.1	0.263	0.014	0.0046	
480 minute winter	SW17	2.003	SW19	0.2	0.346	0.006	0.0028	
480 minute winter	SW18	3.000	SW17	0.1	0.317	0.003	0.0003	
480 minute winter	SW19	2.004	SW13	0.2	0.446	0.010	0.0028	
480 minute winter	SW20	4.000	SW19	0.1	0.215	0.013	0.0006	
480 minute winter	SW21	1.011	SW23	0.5	0.363	0.010	0.0748	
480 minute winter	SW22	5.000	SW21	0.1	0.167	0.008	0.0076	
480 minute winter	SW23	6.010	SW40	0.9	0.538	0.016	0.0143	
480 minute winter	SW24	6.000	SW25	0.6	0.492	0.099	0.0223	
480 minute winter	SW25	6.001	SW26	0.6	0.465	0.099	0.0280	

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Results for 2 year +45% CC 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.71%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	SW26	248	12.463	0.023	0.7	0.0000	0.0000	OK
480 minute winter	SW27	176	12.805	0.005	0.1	0.0000	0.0000	OK
480 minute winter	SW28	248	12.403	0.025	1.0	0.0220	0.0000	OK
480 minute winter	SW29	240	12.845	0.015	0.3	0.0000	0.0000	OK
480 minute winter	SW30	248	12.367	0.025	1.0	0.0215	0.0000	OK
480 minute winter	SW31	472	11.922	0.264	1.0	0.0000	0.0000	OK
480 minute winter	SW32	472	11.922	0.268	0.5	0.0760	0.0000	SURCHARGED
480 minute winter	SW33	472	11.579	0.010	0.2	0.0090	0.0000	OK
480 minute winter	SW34	472	13.499	0.149	1.4	14.0522	0.0000	SURCHARGED
480 minute winter	SW35	472	11.429	0.010	0.2	0.0030	0.0000	OK
480 minute winter	SW36	472	11.356	0.010	0.2	0.0029	0.0000	OK
480 minute winter	SW37	472	11.198	0.014	0.3	0.0119	0.0000	OK
480 minute winter	SW38	464	12.897	0.227	1.1	10.0599	0.0000	SURCHARGED
480 minute winter	SW39	472	12.504	0.204	0.8	7.8551	0.0000	SURCHARGED
480 minute winter	SW40	472	10.239	0.001	1.1	0.0005	0.0000	OK
480 minute winter	SW41	472	12.382	0.162	0.8	7.7328	0.0000	SURCHARGED
480 minute winter	SW42	240	12.833	0.013	0.3	0.0000	0.0000	OK
480 minute winter	SW43	240	12.315	0.015	0.3	0.0044	0.0000	OK
480 minute winter	SW44	256	12.225	0.015	0.3	0.0043	0.0000	OK
480 minute winter	SW45	248	12.179	0.020	0.5	0.0056	0.0000	OK
480 minute winter	SW46	248	12.057	0.019	0.6	0.0053	0.0000	OK
480 minute winter	SW47	248	11.176	0.031	1.2	0.0086	0.0000	OK
480 minute winter	SW48	184	11.909	0.009	0.1	0.0000	0.0000	OK
480 minute winter	SW49	248	11.913	0.012	0.2	0.0000	0.0000	OK
480 minute winter	SW50	248	11.817	0.016	0.3	0.0025	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	SW26	6.002	SW28	0.7	0.479	0.116	0.0090	
480 minute winter	SW27	7.000	SW26	0.1	0.202	0.005	0.0029	
480 minute winter	SW28	6.003	SW30	1.0	0.517	0.056	0.0069	
480 minute winter	SW29	8.000	SW28	0.3	0.399	0.050	0.0037	
480 minute winter	SW30	6.004	SW31	1.0	0.535	0.056	0.0072	
480 minute winter	SW31	Flow through Pond	SW32	0.5	0.001	0.000	8.6069	
480 minute winter	SW32	6.005	SW33	0.1	0.272	0.014	0.0011	
480 minute winter	SW33	6.006	SW35	0.2	0.313	0.009	0.0079	
480 minute winter	SW34	9.000	SW33	0.1	0.334	0.009	0.0004	
480 minute winter	SW35	6.007	SW36	0.2	0.313	0.009	0.0038	
480 minute winter	SW36	6.008	SW37	0.2	0.251	0.009	0.0107	
480 minute winter	SW37	6.009	SW23	0.3	0.281	0.017	0.0192	
480 minute winter	SW38	10.000	SW37	0.1	0.396	0.016	0.0005	
480 minute winter	SW39	11.000	SW23	0.1	0.329	0.009	0.0003	
480 minute winter	SW40	Pump		1.1				34.1
480 minute winter	SW41	12.000	SW40	0.1	0.339	0.010	0.0005	
480 minute winter	SW42	13.000	SW43	0.3	0.509	0.035	0.0021	
480 minute winter	SW43	13.001	SW44	0.3	0.398	0.050	0.0068	
480 minute winter	SW44	13.002	SW45	0.3	0.355	0.050	0.0047	
480 minute winter	SW45	13.003	SW46	0.5	0.474	0.083	0.0128	
480 minute winter	SW46	13.004	SW47	0.6	0.596	0.075	0.0141	
480 minute winter	SW47	17.000	SW55	1.2	0.577	0.199	0.0308	
480 minute winter	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
480 minute winter	SW49	15.000	SW50	0.2	0.298	0.033	0.0067	
480 minute winter	SW50	15.001	SW51	0.3	0.436	0.050	0.0089	

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Results for 2 year +45% CC 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.71%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	SW51	248	11.685	0.013	0.3	0.0021	0.0000	OK
480 minute winter	SW52	248	11.220	0.020	0.5	0.0055	0.0000	OK
480 minute winter	SW53	216	11.913	0.013	0.2	0.0000	0.0000	OK
480 minute winter	SW54	216	11.284	0.013	0.2	0.0035	0.0000	OK
480 minute winter	SW55	248	11.029	0.032	1.2	0.0023	0.0000	OK
480 minute winter	SW56	392	10.540	0.247	1.2	0.0000	0.0000	OK
480 minute winter	SW57	392	10.541	0.257	0.6	0.0726	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	SW51	15.002	SW52	0.3	0.364	0.036	0.0206	
480 minute winter	SW52	15.003	SW47	0.5	0.327	0.083	0.0086	
480 minute winter	SW53	16.000	SW54	0.2	0.352	0.033	0.0019	
480 minute winter	SW54	16.001	SW52	0.2	0.323	0.033	0.0058	
480 minute winter	SW55	17.001	SW56	1.2	0.585	0.199	0.0026	
480 minute winter	SW56	Flow through Pond	SW57	0.6	0.005	0.000	8.6096	
480 minute winter	SW57	17.002	SW40	0.1	0.537	0.014	0.0009	

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Results for 2 year +45% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.74%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	SW1	615	13.098	0.208	3.7	33.1291	0.0000	SURCHARGED
600 minute summer	SW2	615	12.592	0.010	0.1	0.0027	0.0000	OK
600 minute summer	SW3	615	12.453	0.009	0.1	0.0025	0.0000	OK
600 minute summer	SW4	510	12.241	0.012	0.2	0.0000	0.0000	OK
600 minute summer	SW5	315	13.118	0.018	0.4	0.0000	0.0000	OK
600 minute summer	SW6	315	13.050	0.018	0.4	0.0028	0.0000	OK
600 minute summer	SW7	315	12.961	0.018	0.4	0.0013	0.0000	OK
600 minute summer	SW8	495	12.497	0.242	0.4	0.0000	0.0000	OK
600 minute summer	SW9	495	12.497	0.254	0.3	0.0719	0.0000	SURCHARGED
600 minute summer	SW10	315	13.130	0.010	0.3	0.0000	0.0000	OK
600 minute summer	SW11	495	12.497	0.242	0.3	0.0000	0.0000	OK
600 minute summer	SW12	510	11.885	0.012	0.2	0.0033	0.0000	OK
600 minute summer	SW13	600	11.644	0.015	0.5	0.0132	0.0000	OK
600 minute summer	SW14	600	13.290	0.170	0.8	5.8715	0.0000	SURCHARGED
600 minute summer	SW15	600	12.900	0.008	0.1	0.0024	0.0000	OK
600 minute summer	SW16	600	12.830	0.008	0.1	0.0024	0.0000	OK
600 minute summer	SW17	615	12.686	0.009	0.2	0.0075	0.0000	OK
600 minute summer	SW18	615	13.026	0.155	3.5	32.2044	0.0000	SURCHARGED
600 minute summer	SW19	600	12.564	0.011	0.2	0.0030	0.0000	OK
600 minute summer	SW20	600	12.723	0.153	0.7	5.6151	0.0000	SURCHARGED
600 minute summer	SW21	600	11.574	0.016	0.5	0.0045	0.0000	OK
600 minute summer	SW22	600	12.111	0.151	1.1	8.9122	0.0000	SURCHARGED
600 minute summer	SW23	600	11.029	0.020	0.9	0.0057	0.0000	OK
600 minute summer	SW24	315	12.863	0.023	0.7	0.0000	0.0000	OK
600 minute summer	SW25	315	12.680	0.023	0.7	0.0065	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	SW1	1.000	SW2	0.1	0.293	0.008	0.0141	
600 minute summer	SW2	1.001	SW3	0.1	0.306	0.008	0.0060	
600 minute summer	SW3	1.002	SW4	0.1	0.263	0.007	0.0087	
600 minute summer	SW4	1.008	SW12	0.2	0.342	0.012	0.0223	
600 minute summer	SW5	1.003	SW6	0.4	0.433	0.066	0.0063	
600 minute summer	SW6	1.004	SW7	0.4	0.419	0.066	0.0084	
600 minute summer	SW7	1.005	SW8	0.4	0.418	0.066	0.0010	
600 minute summer	SW8	Flow through Pond	SW9	0.3	0.006	0.000	4.2412	
600 minute summer	SW9	1.007	SW4	0.1	0.209	0.014	0.0006	
600 minute summer	SW10	1.006	SW11	0.3	0.721	0.021	0.0014	
600 minute summer	SW11	Flow through Pond	SW9	0.3	0.006	0.000	4.2412	
600 minute summer	SW12	1.009	SW13	0.2	0.279	0.012	0.0190	
600 minute summer	SW13	1.010	SW21	0.5	0.387	0.009	0.0084	
600 minute summer	SW14	2.000	SW15	0.1	0.272	0.014	0.0070	
600 minute summer	SW15	2.001	SW16	0.1	0.273	0.014	0.0021	
600 minute summer	SW16	2.002	SW17	0.1	0.265	0.014	0.0046	
600 minute summer	SW17	2.003	SW19	0.2	0.348	0.006	0.0029	
600 minute summer	SW18	3.000	SW17	0.1	0.318	0.003	0.0003	
600 minute summer	SW19	2.004	SW13	0.2	0.448	0.010	0.0028	
600 minute summer	SW20	4.000	SW19	0.1	0.216	0.013	0.0006	
600 minute summer	SW21	1.011	SW23	0.5	0.364	0.010	0.0750	
600 minute summer	SW22	5.000	SW21	0.1	0.166	0.008	0.0076	
600 minute summer	SW23	6.010	SW40	0.9	0.538	0.016	0.0143	
600 minute summer	SW24	6.000	SW25	0.7	0.514	0.116	0.0249	
600 minute summer	SW25	6.001	SW26	0.7	0.489	0.116	0.0311	

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Results for 2 year +45% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.74%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	SW26	315	12.465	0.025	0.8	0.0000	0.0000	OK
600 minute summer	SW27	255	12.805	0.005	0.1	0.0000	0.0000	OK
600 minute summer	SW28	315	12.405	0.027	1.1	0.0231	0.0000	OK
600 minute summer	SW29	300	12.845	0.015	0.3	0.0000	0.0000	OK
600 minute summer	SW30	315	12.368	0.026	1.1	0.0225	0.0000	OK
600 minute summer	SW31	600	11.925	0.266	1.1	0.0000	0.0000	OK
600 minute summer	SW32	600	11.924	0.270	0.6	0.0765	0.0000	SURCHARGED
600 minute summer	SW33	600	11.579	0.010	0.2	0.0090	0.0000	OK
600 minute summer	SW34	600	13.505	0.155	1.7	14.6596	0.0000	SURCHARGED
600 minute summer	SW35	600	11.429	0.010	0.2	0.0030	0.0000	OK
600 minute summer	SW36	600	11.356	0.010	0.2	0.0029	0.0000	OK
600 minute summer	SW37	600	11.198	0.014	0.3	0.0119	0.0000	OK
600 minute summer	SW38	525	12.896	0.226	1.3	10.0517	0.0000	SURCHARGED
600 minute summer	SW39	600	12.506	0.206	1.0	7.9071	0.0000	SURCHARGED
600 minute summer	SW40	600	10.239	0.001	1.1	0.0005	0.0000	OK
600 minute summer	SW41	600	12.382	0.162	1.0	7.7511	0.0000	SURCHARGED
600 minute summer	SW42	300	12.833	0.013	0.3	0.0000	0.0000	OK
600 minute summer	SW43	300	12.315	0.015	0.3	0.0044	0.0000	OK
600 minute summer	SW44	330	12.225	0.015	0.3	0.0043	0.0000	OK
600 minute summer	SW45	315	12.179	0.020	0.5	0.0056	0.0000	OK
600 minute summer	SW46	315	12.057	0.019	0.6	0.0053	0.0000	OK
600 minute summer	SW47	315	11.176	0.031	1.2	0.0086	0.0000	OK
600 minute summer	SW48	255	11.909	0.009	0.1	0.0000	0.0000	OK
600 minute summer	SW49	315	11.913	0.012	0.2	0.0000	0.0000	OK
600 minute summer	SW50	315	11.817	0.016	0.3	0.0025	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	SW26	6.002	SW28	0.8	0.503	0.133	0.0098	
600 minute summer	SW27	7.000	SW26	0.1	0.204	0.005	0.0032	
600 minute summer	SW28	6.003	SW30	1.1	0.531	0.062	0.0075	
600 minute summer	SW29	8.000	SW28	0.3	0.399	0.050	0.0037	
600 minute summer	SW30	6.004	SW31	1.1	0.550	0.062	0.0077	
600 minute summer	SW31	Flow through Pond	SW32	0.6	0.001	0.000	8.6736	
600 minute summer	SW32	6.005	SW33	0.1	0.272	0.014	0.0011	
600 minute summer	SW33	6.006	SW35	0.2	0.314	0.009	0.0079	
600 minute summer	SW34	9.000	SW33	0.1	0.336	0.009	0.0004	
600 minute summer	SW35	6.007	SW36	0.2	0.315	0.009	0.0039	
600 minute summer	SW36	6.008	SW37	0.2	0.253	0.009	0.0107	
600 minute summer	SW37	6.009	SW23	0.3	0.281	0.017	0.0193	
600 minute summer	SW38	10.000	SW37	0.1	0.396	0.016	0.0005	
600 minute summer	SW39	11.000	SW23	0.1	0.329	0.009	0.0003	
600 minute summer	SW40	Pump		1.1				38.8
600 minute summer	SW41	12.000	SW40	0.1	0.339	0.010	0.0005	
600 minute summer	SW42	13.000	SW43	0.3	0.509	0.035	0.0021	
600 minute summer	SW43	13.001	SW44	0.3	0.398	0.050	0.0068	
600 minute summer	SW44	13.002	SW45	0.3	0.356	0.050	0.0047	
600 minute summer	SW45	13.003	SW46	0.5	0.474	0.083	0.0128	
600 minute summer	SW46	13.004	SW47	0.6	0.596	0.075	0.0141	
600 minute summer	SW47	17.000	SW55	1.2	0.577	0.199	0.0308	
600 minute summer	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
600 minute summer	SW49	15.000	SW50	0.2	0.298	0.033	0.0067	
600 minute summer	SW50	15.001	SW51	0.3	0.436	0.050	0.0089	

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Results for 2 year +45% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.74%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	SW51	315	11.685	0.013	0.3	0.0021	0.0000	OK
600 minute summer	SW52	315	11.220	0.020	0.5	0.0055	0.0000	OK
600 minute summer	SW53	300	11.913	0.013	0.2	0.0000	0.0000	OK
600 minute summer	SW54	300	11.284	0.013	0.2	0.0035	0.0000	OK
600 minute summer	SW55	315	11.029	0.032	1.2	0.0023	0.0000	OK
600 minute summer	SW56	450	10.519	0.225	1.2	0.0000	0.0000	OK
600 minute summer	SW57	450	10.519	0.235	0.6	0.0666	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	SW51	15.002	SW52	0.3	0.364	0.036	0.0206	
600 minute summer	SW52	15.003	SW47	0.5	0.327	0.083	0.0086	
600 minute summer	SW53	16.000	SW54	0.2	0.352	0.033	0.0019	
600 minute summer	SW54	16.001	SW52	0.2	0.283	0.033	0.0058	
600 minute summer	SW55	17.001	SW56	1.2	0.585	0.199	0.0026	
600 minute summer	SW56	Flow through Pond	SW57	0.6	0.005	0.000	7.8787	
600 minute summer	SW57	17.002	SW40	0.1	0.529	0.013	0.0009	

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Results for 2 year +45% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.73%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	SW1	600	13.098	0.208	2.5	33.1050	0.0000	SURCHARGED
600 minute winter	SW2	600	12.592	0.010	0.1	0.0027	0.0000	OK
600 minute winter	SW3	600	12.453	0.009	0.1	0.0025	0.0000	OK
600 minute winter	SW4	555	12.241	0.012	0.2	0.0000	0.0000	OK
600 minute winter	SW5	300	13.115	0.015	0.3	0.0000	0.0000	OK
600 minute winter	SW6	300	13.047	0.015	0.3	0.0024	0.0000	OK
600 minute winter	SW7	300	12.959	0.016	0.3	0.0011	0.0000	OK
600 minute winter	SW8	540	12.507	0.252	0.3	0.0000	0.0000	OK
600 minute winter	SW9	540	12.507	0.264	0.3	0.0746	0.0000	SURCHARGED
600 minute winter	SW10	285	13.128	0.008	0.2	0.0000	0.0000	OK
600 minute winter	SW11	540	12.507	0.252	0.2	0.0000	0.0000	OK
600 minute winter	SW12	555	11.885	0.012	0.2	0.0033	0.0000	OK
600 minute winter	SW13	585	11.644	0.015	0.5	0.0132	0.0000	OK
600 minute winter	SW14	585	13.289	0.169	0.5	5.8253	0.0000	SURCHARGED
600 minute winter	SW15	585	12.900	0.008	0.1	0.0024	0.0000	OK
600 minute winter	SW16	585	12.830	0.008	0.1	0.0023	0.0000	OK
600 minute winter	SW17	600	12.686	0.009	0.2	0.0075	0.0000	OK
600 minute winter	SW18	600	13.028	0.158	2.4	32.8337	0.0000	SURCHARGED
600 minute winter	SW19	585	12.564	0.011	0.2	0.0030	0.0000	OK
600 minute winter	SW20	585	12.718	0.148	0.5	5.4066	0.0000	SURCHARGED
600 minute winter	SW21	585	11.574	0.016	0.5	0.0045	0.0000	OK
600 minute winter	SW22	585	12.113	0.153	0.8	9.0191	0.0000	SURCHARGED
600 minute winter	SW23	585	11.029	0.020	0.9	0.0057	0.0000	OK
600 minute winter	SW24	315	12.860	0.020	0.5	0.0000	0.0000	OK
600 minute winter	SW25	315	12.676	0.019	0.5	0.0055	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	SW1	1.000	SW2	0.1	0.293	0.008	0.0141	
600 minute winter	SW2	1.001	SW3	0.1	0.306	0.008	0.0060	
600 minute winter	SW3	1.002	SW4	0.1	0.261	0.007	0.0087	
600 minute winter	SW4	1.008	SW12	0.2	0.344	0.012	0.0226	
600 minute winter	SW5	1.003	SW6	0.3	0.399	0.050	0.0051	
600 minute winter	SW6	1.004	SW7	0.3	0.387	0.050	0.0069	
600 minute winter	SW7	1.005	SW8	0.3	0.385	0.050	0.0008	
600 minute winter	SW8	Flow through Pond	SW9	0.3	0.006	0.000	4.4063	
600 minute winter	SW9	1.007	SW4	0.1	0.210	0.014	0.0006	
600 minute winter	SW10	1.006	SW11	0.2	0.638	0.014	0.0010	
600 minute winter	SW11	Flow through Pond	SW9	0.3	0.006	0.000	4.4063	
600 minute winter	SW12	1.009	SW13	0.2	0.281	0.012	0.0191	
600 minute winter	SW13	1.010	SW21	0.5	0.388	0.009	0.0085	
600 minute winter	SW14	2.000	SW15	0.1	0.272	0.014	0.0070	
600 minute winter	SW15	2.001	SW16	0.1	0.272	0.014	0.0021	
600 minute winter	SW16	2.002	SW17	0.1	0.264	0.014	0.0046	
600 minute winter	SW17	2.003	SW19	0.2	0.349	0.006	0.0029	
600 minute winter	SW18	3.000	SW17	0.1	0.319	0.003	0.0003	
600 minute winter	SW19	2.004	SW13	0.2	0.448	0.010	0.0028	
600 minute winter	SW20	4.000	SW19	0.1	0.213	0.013	0.0006	
600 minute winter	SW21	1.011	SW23	0.5	0.364	0.010	0.0754	
600 minute winter	SW22	5.000	SW21	0.1	0.167	0.008	0.0077	
600 minute winter	SW23	6.010	SW40	0.9	0.540	0.016	0.0144	
600 minute winter	SW24	6.000	SW25	0.5	0.467	0.083	0.0196	
600 minute winter	SW25	6.001	SW26	0.5	0.436	0.083	0.0249	

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Results for 2 year +45% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.73%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	SW26	315	12.461	0.021	0.6	0.0000	0.0000	OK
600 minute winter	SW27	240	12.805	0.005	0.1	0.0000	0.0000	OK
600 minute winter	SW28	315	12.401	0.023	0.8	0.0196	0.0000	OK
600 minute winter	SW29	255	12.843	0.013	0.2	0.0000	0.0000	OK
600 minute winter	SW30	315	12.364	0.022	0.8	0.0192	0.0000	OK
600 minute winter	SW31	585	11.933	0.275	0.8	0.0000	0.0000	OK
600 minute winter	SW32	585	11.933	0.279	0.4	0.0789	0.0000	SURCHARGED
600 minute winter	SW33	585	11.579	0.010	0.2	0.0091	0.0000	OK
600 minute winter	SW34	585	13.506	0.156	1.1	14.7780	0.0000	SURCHARGED
600 minute winter	SW35	585	11.430	0.011	0.2	0.0030	0.0000	OK
600 minute winter	SW36	585	11.356	0.010	0.2	0.0030	0.0000	OK
600 minute winter	SW37	585	11.198	0.014	0.3	0.0120	0.0000	OK
600 minute winter	SW38	570	12.900	0.230	0.9	10.1948	0.0000	SURCHARGED
600 minute winter	SW39	585	12.508	0.208	0.7	8.0127	0.0000	SURCHARGED
600 minute winter	SW40	585	10.239	0.001	1.1	0.0005	0.0000	OK
600 minute winter	SW41	585	12.385	0.165	0.7	7.8617	0.0000	SURCHARGED
600 minute winter	SW42	255	12.831	0.011	0.2	0.0000	0.0000	OK
600 minute winter	SW43	255	12.313	0.013	0.2	0.0036	0.0000	OK
600 minute winter	SW44	255	12.223	0.013	0.2	0.0035	0.0000	OK
600 minute winter	SW45	255	12.175	0.016	0.3	0.0044	0.0000	OK
600 minute winter	SW46	285	12.053	0.015	0.4	0.0043	0.0000	OK
600 minute winter	SW47	315	11.171	0.026	0.9	0.0074	0.0000	OK
600 minute winter	SW48	240	11.909	0.009	0.1	0.0000	0.0000	OK
600 minute winter	SW49	210	11.909	0.009	0.1	0.0000	0.0000	OK
600 minute winter	SW50	285	11.814	0.013	0.2	0.0021	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	SW26	6.002	SW28	0.6	0.470	0.099	0.0079	
600 minute winter	SW27	7.000	SW26	0.1	0.204	0.005	0.0027	
600 minute winter	SW28	6.003	SW30	0.8	0.487	0.045	0.0059	
600 minute winter	SW29	8.000	SW28	0.2	0.353	0.033	0.0028	
600 minute winter	SW30	6.004	SW31	0.8	0.502	0.045	0.0061	
600 minute winter	SW31	Flow through Pond	SW32	0.4	0.001	0.000	8.9449	
600 minute winter	SW32	6.005	SW33	0.1	0.274	0.015	0.0011	
600 minute winter	SW33	6.006	SW35	0.2	0.315	0.009	0.0080	
600 minute winter	SW34	9.000	SW33	0.1	0.337	0.009	0.0004	
600 minute winter	SW35	6.007	SW36	0.2	0.315	0.009	0.0039	
600 minute winter	SW36	6.008	SW37	0.2	0.253	0.009	0.0108	
600 minute winter	SW37	6.009	SW23	0.3	0.283	0.017	0.0194	
600 minute winter	SW38	10.000	SW37	0.1	0.397	0.016	0.0005	
600 minute winter	SW39	11.000	SW23	0.1	0.330	0.009	0.0003	
600 minute winter	SW40	Pump		1.1				39.3
600 minute winter	SW41	12.000	SW40	0.1	0.340	0.010	0.0005	
600 minute winter	SW42	13.000	SW43	0.2	0.451	0.023	0.0016	
600 minute winter	SW43	13.001	SW44	0.2	0.353	0.033	0.0051	
600 minute winter	SW44	13.002	SW45	0.2	0.304	0.033	0.0035	
600 minute winter	SW45	13.003	SW46	0.3	0.429	0.050	0.0091	
600 minute winter	SW46	13.004	SW47	0.4	0.530	0.050	0.0106	
600 minute winter	SW47	17.000	SW55	0.9	0.534	0.149	0.0250	
600 minute winter	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
600 minute winter	SW49	15.000	SW50	0.1	0.282	0.017	0.0046	
600 minute winter	SW50	15.001	SW51	0.2	0.386	0.033	0.0067	

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Results for 2 year +45% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.73%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	SW51	285	11.683	0.011	0.2	0.0017	0.0000	OK
600 minute winter	SW52	315	11.218	0.018	0.4	0.0050	0.0000	OK
600 minute winter	SW53	315	11.913	0.013	0.2	0.0000	0.0000	OK
600 minute winter	SW54	315	11.284	0.013	0.2	0.0035	0.0000	OK
600 minute winter	SW55	315	11.024	0.027	0.9	0.0019	0.0000	OK
600 minute winter	SW56	465	10.538	0.244	0.9	0.0000	0.0000	OK
600 minute winter	SW57	465	10.538	0.254	0.5	0.0720	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	SW51	15.002	SW52	0.2	0.337	0.024	0.0168	
600 minute winter	SW52	15.003	SW47	0.4	0.316	0.066	0.0071	
600 minute winter	SW53	16.000	SW54	0.2	0.352	0.033	0.0019	
600 minute winter	SW54	16.001	SW52	0.2	0.283	0.033	0.0053	
600 minute winter	SW55	17.001	SW56	0.9	0.541	0.149	0.0021	
600 minute winter	SW56	Flow through Pond	SW57	0.5	0.005	0.000	8.5336	
600 minute winter	SW57	17.002	SW40	0.1	0.536	0.014	0.0009	

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Results for 2 year +45% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.77%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	SW1	735	13.105	0.215	3.3	34.2486	0.0000	SURCHARGED
720 minute summer	SW2	735	12.592	0.010	0.1	0.0027	0.0000	OK
720 minute summer	SW3	735	12.453	0.009	0.1	0.0025	0.0000	OK
720 minute summer	SW4	570	12.241	0.012	0.2	0.0000	0.0000	OK
720 minute summer	SW5	375	13.118	0.018	0.4	0.0000	0.0000	OK
720 minute summer	SW6	375	13.050	0.018	0.4	0.0028	0.0000	OK
720 minute summer	SW7	375	12.961	0.018	0.4	0.0013	0.0000	OK
720 minute summer	SW8	555	12.497	0.242	0.4	0.0000	0.0000	OK
720 minute summer	SW9	555	12.497	0.254	0.3	0.0718	0.0000	SURCHARGED
720 minute summer	SW10	345	13.128	0.008	0.2	0.0000	0.0000	OK
720 minute summer	SW11	555	12.497	0.242	0.2	0.0000	0.0000	OK
720 minute summer	SW12	570	11.885	0.012	0.2	0.0033	0.0000	OK
720 minute summer	SW13	720	11.644	0.015	0.5	0.0132	0.0000	OK
720 minute summer	SW14	720	13.297	0.177	0.7	6.1125	0.0000	SURCHARGED
720 minute summer	SW15	720	12.900	0.008	0.1	0.0024	0.0000	OK
720 minute summer	SW16	720	12.830	0.008	0.1	0.0024	0.0000	OK
720 minute summer	SW17	720	12.686	0.009	0.2	0.0076	0.0000	OK
720 minute summer	SW18	735	13.032	0.162	3.1	33.5820	0.0000	SURCHARGED
720 minute summer	SW19	720	12.564	0.011	0.2	0.0031	0.0000	OK
720 minute summer	SW20	720	12.730	0.160	0.7	5.8746	0.0000	SURCHARGED
720 minute summer	SW21	720	11.574	0.016	0.5	0.0045	0.0000	OK
720 minute summer	SW22	720	12.116	0.156	1.0	9.2094	0.0000	SURCHARGED
720 minute summer	SW23	720	11.029	0.020	0.9	0.0057	0.0000	OK
720 minute summer	SW24	375	12.861	0.021	0.6	0.0000	0.0000	OK
720 minute summer	SW25	375	12.678	0.021	0.6	0.0060	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	SW1	1.000	SW2	0.1	0.295	0.008	0.0142	
720 minute summer	SW2	1.001	SW3	0.1	0.307	0.008	0.0061	
720 minute summer	SW3	1.002	SW4	0.1	0.267	0.007	0.0087	
720 minute summer	SW4	1.008	SW12	0.2	0.343	0.012	0.0224	
720 minute summer	SW5	1.003	SW6	0.4	0.433	0.066	0.0063	
720 minute summer	SW6	1.004	SW7	0.4	0.419	0.066	0.0084	
720 minute summer	SW7	1.005	SW8	0.4	0.418	0.066	0.0010	
720 minute summer	SW8	Flow through Pond	SW9	0.3	0.006	0.000	4.2372	
720 minute summer	SW9	1.007	SW4	0.1	0.208	0.014	0.0006	
720 minute summer	SW10	1.006	SW11	0.2	0.638	0.014	0.0010	
720 minute summer	SW11	Flow through Pond	SW9	0.3	0.006	0.000	4.2372	
720 minute summer	SW12	1.009	SW13	0.2	0.279	0.012	0.0191	
720 minute summer	SW13	1.010	SW21	0.5	0.388	0.009	0.0085	
720 minute summer	SW14	2.000	SW15	0.1	0.274	0.014	0.0071	
720 minute summer	SW15	2.001	SW16	0.1	0.274	0.014	0.0022	
720 minute summer	SW16	2.002	SW17	0.1	0.267	0.014	0.0047	
720 minute summer	SW17	2.003	SW19	0.2	0.350	0.007	0.0029	
720 minute summer	SW18	3.000	SW17	0.1	0.320	0.003	0.0003	
720 minute summer	SW19	2.004	SW13	0.2	0.451	0.010	0.0029	
720 minute summer	SW20	4.000	SW19	0.1	0.217	0.013	0.0006	
720 minute summer	SW21	1.011	SW23	0.5	0.366	0.010	0.0754	
720 minute summer	SW22	5.000	SW21	0.1	0.168	0.008	0.0077	
720 minute summer	SW23	6.010	SW40	0.9	0.539	0.016	0.0143	
720 minute summer	SW24	6.000	SW25	0.6	0.492	0.099	0.0223	
720 minute summer	SW25	6.001	SW26	0.6	0.465	0.099	0.0280	

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Results for 2 year +45% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.77%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	SW26	375	12.463	0.023	0.7	0.0000	0.0000	OK
720 minute summer	SW27	315	12.805	0.005	0.1	0.0000	0.0000	OK
720 minute summer	SW28	375	12.403	0.025	1.0	0.0220	0.0000	OK
720 minute summer	SW29	375	12.845	0.015	0.3	0.0000	0.0000	OK
720 minute summer	SW30	375	12.367	0.025	1.0	0.0215	0.0000	OK
720 minute summer	SW31	720	11.923	0.265	1.0	0.0000	0.0000	OK
720 minute summer	SW32	720	11.923	0.269	0.5	0.0760	0.0000	SURCHARGED
720 minute summer	SW33	720	11.579	0.010	0.2	0.0090	0.0000	OK
720 minute summer	SW34	720	13.503	0.153	1.5	14.4954	0.0000	SURCHARGED
720 minute summer	SW35	720	11.429	0.010	0.2	0.0030	0.0000	OK
720 minute summer	SW36	720	11.356	0.010	0.2	0.0029	0.0000	OK
720 minute summer	SW37	645	11.198	0.014	0.3	0.0118	0.0000	OK
720 minute summer	SW38	585	12.890	0.220	1.2	9.7408	0.0000	SURCHARGED
720 minute summer	SW39	720	12.509	0.209	0.9	8.0532	0.0000	SURCHARGED
720 minute summer	SW40	645	10.239	0.001	1.1	0.0005	0.0000	OK
720 minute summer	SW41	720	12.385	0.165	0.9	7.8634	0.0000	SURCHARGED
720 minute summer	SW42	375	12.833	0.013	0.3	0.0000	0.0000	OK
720 minute summer	SW43	375	12.315	0.015	0.3	0.0044	0.0000	OK
720 minute summer	SW44	375	12.225	0.015	0.3	0.0043	0.0000	OK
720 minute summer	SW45	375	12.179	0.020	0.5	0.0056	0.0000	OK
720 minute summer	SW46	375	12.057	0.019	0.6	0.0053	0.0000	OK
720 minute summer	SW47	375	11.176	0.031	1.2	0.0086	0.0000	OK
720 minute summer	SW48	315	11.909	0.009	0.1	0.0000	0.0000	OK
720 minute summer	SW49	375	11.913	0.012	0.2	0.0000	0.0000	OK
720 minute summer	SW50	375	11.817	0.016	0.3	0.0025	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	SW26	6.002	SW28	0.7	0.479	0.116	0.0090	
720 minute summer	SW27	7.000	SW26	0.1	0.204	0.005	0.0029	
720 minute summer	SW28	6.003	SW30	1.0	0.517	0.056	0.0069	
720 minute summer	SW29	8.000	SW28	0.3	0.399	0.050	0.0037	
720 minute summer	SW30	6.004	SW31	1.0	0.535	0.056	0.0072	
720 minute summer	SW31	Flow through Pond	SW32	0.5	0.001	0.000	8.6134	
720 minute summer	SW32	6.005	SW33	0.1	0.272	0.014	0.0011	
720 minute summer	SW33	6.006	SW35	0.2	0.314	0.009	0.0079	
720 minute summer	SW34	9.000	SW33	0.1	0.336	0.009	0.0004	
720 minute summer	SW35	6.007	SW36	0.2	0.314	0.009	0.0039	
720 minute summer	SW36	6.008	SW37	0.2	0.253	0.009	0.0107	
720 minute summer	SW37	6.009	SW23	0.3	0.279	0.017	0.0192	
720 minute summer	SW38	10.000	SW37	0.1	0.394	0.016	0.0005	
720 minute summer	SW39	11.000	SW23	0.1	0.330	0.009	0.0003	
720 minute summer	SW40	Pump		1.1				44.0
720 minute summer	SW41	12.000	SW40	0.1	0.340	0.010	0.0005	
720 minute summer	SW42	13.000	SW43	0.3	0.509	0.035	0.0021	
720 minute summer	SW43	13.001	SW44	0.3	0.398	0.050	0.0068	
720 minute summer	SW44	13.002	SW45	0.3	0.327	0.050	0.0047	
720 minute summer	SW45	13.003	SW46	0.5	0.474	0.083	0.0128	
720 minute summer	SW46	13.004	SW47	0.6	0.596	0.075	0.0141	
720 minute summer	SW47	17.000	SW55	1.2	0.577	0.199	0.0308	
720 minute summer	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
720 minute summer	SW49	15.000	SW50	0.2	0.298	0.033	0.0067	
720 minute summer	SW50	15.001	SW51	0.3	0.436	0.050	0.0089	

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Results for 2 year +45% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.77%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	SW51	375	11.685	0.013	0.3	0.0021	0.0000	OK
720 minute summer	SW52	375	11.220	0.020	0.5	0.0055	0.0000	OK
720 minute summer	SW53	360	11.913	0.013	0.2	0.0000	0.0000	OK
720 minute summer	SW54	360	11.284	0.013	0.2	0.0035	0.0000	OK
720 minute summer	SW55	375	11.029	0.032	1.2	0.0023	0.0000	OK
720 minute summer	SW56	525	10.517	0.223	1.2	0.0000	0.0000	OK
720 minute summer	SW57	525	10.517	0.233	0.6	0.0659	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	SW51	15.002	SW52	0.3	0.364	0.036	0.0206	
720 minute summer	SW52	15.003	SW47	0.5	0.327	0.083	0.0086	
720 minute summer	SW53	16.000	SW54	0.2	0.352	0.033	0.0019	
720 minute summer	SW54	16.001	SW52	0.2	0.283	0.033	0.0058	
720 minute summer	SW55	17.001	SW56	1.2	0.585	0.199	0.0026	
720 minute summer	SW56	Flow through Pond	SW57	0.6	0.003	0.000	7.7956	
720 minute summer	SW57	17.002	SW40	0.1	0.528	0.013	0.0009	

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Results for 2 year +45% CC 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.78%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	SW1	720	13.106	0.216	2.2	34.3893	0.0000	SURCHARGED
720 minute winter	SW2	720	12.592	0.010	0.1	0.0027	0.0000	OK
720 minute winter	SW3	720	12.453	0.009	0.1	0.0025	0.0000	OK
720 minute winter	SW4	585	12.241	0.012	0.2	0.0000	0.0000	OK
720 minute winter	SW5	300	13.113	0.013	0.2	0.0000	0.0000	OK
720 minute winter	SW6	300	13.045	0.013	0.2	0.0020	0.0000	OK
720 minute winter	SW7	300	12.956	0.013	0.2	0.0009	0.0000	OK
720 minute winter	SW8	570	12.483	0.228	0.2	0.0000	0.0000	OK
720 minute winter	SW9	570	12.483	0.240	0.2	0.0680	0.0000	SURCHARGED
720 minute winter	SW10	360	13.128	0.008	0.2	0.0000	0.0000	OK
720 minute winter	SW11	570	12.483	0.228	0.2	0.0000	0.0000	OK
720 minute winter	SW12	585	11.885	0.012	0.2	0.0033	0.0000	OK
720 minute winter	SW13	690	11.644	0.015	0.5	0.0132	0.0000	OK
720 minute winter	SW14	690	13.290	0.170	0.5	5.8544	0.0000	SURCHARGED
720 minute winter	SW15	690	12.900	0.008	0.1	0.0024	0.0000	OK
720 minute winter	SW16	690	12.830	0.008	0.1	0.0024	0.0000	OK
720 minute winter	SW17	705	12.686	0.009	0.2	0.0076	0.0000	OK
720 minute winter	SW18	720	13.034	0.164	2.1	34.0370	0.0000	SURCHARGED
720 minute winter	SW19	690	12.564	0.011	0.2	0.0030	0.0000	OK
720 minute winter	SW20	690	12.723	0.153	0.4	5.6070	0.0000	SURCHARGED
720 minute winter	SW21	690	11.574	0.016	0.5	0.0045	0.0000	OK
720 minute winter	SW22	705	12.110	0.150	0.7	8.8254	0.0000	SURCHARGED
720 minute winter	SW23	690	11.029	0.020	0.9	0.0057	0.0000	OK
720 minute winter	SW24	345	12.858	0.018	0.4	0.0000	0.0000	OK
720 minute winter	SW25	345	12.674	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	SW1	1.000	SW2	0.1	0.295	0.008	0.0142	
720 minute winter	SW2	1.001	SW3	0.1	0.308	0.008	0.0061	
720 minute winter	SW3	1.002	SW4	0.1	0.268	0.007	0.0087	
720 minute winter	SW4	1.008	SW12	0.2	0.342	0.012	0.0223	
720 minute winter	SW5	1.003	SW6	0.2	0.354	0.033	0.0038	
720 minute winter	SW6	1.004	SW7	0.2	0.345	0.033	0.0051	
720 minute winter	SW7	1.005	SW8	0.2	0.343	0.033	0.0006	
720 minute winter	SW8	Flow through Pond	SW9	0.2	0.006	0.000	4.0041	
720 minute winter	SW9	1.007	SW4	0.1	0.204	0.013	0.0006	
720 minute winter	SW10	1.006	SW11	0.2	0.638	0.014	0.0010	
720 minute winter	SW11	Flow through Pond	SW9	0.2	0.006	0.000	4.0041	
720 minute winter	SW12	1.009	SW13	0.2	0.278	0.012	0.0190	
720 minute winter	SW13	1.010	SW21	0.5	0.388	0.009	0.0084	
720 minute winter	SW14	2.000	SW15	0.1	0.272	0.014	0.0070	
720 minute winter	SW15	2.001	SW16	0.1	0.272	0.014	0.0021	
720 minute winter	SW16	2.002	SW17	0.1	0.264	0.014	0.0046	
720 minute winter	SW17	2.003	SW19	0.2	0.350	0.007	0.0029	
720 minute winter	SW18	3.000	SW17	0.1	0.321	0.003	0.0003	
720 minute winter	SW19	2.004	SW13	0.2	0.450	0.010	0.0028	
720 minute winter	SW20	4.000	SW19	0.1	0.215	0.013	0.0006	
720 minute winter	SW21	1.011	SW23	0.5	0.364	0.010	0.0752	
720 minute winter	SW22	5.000	SW21	0.1	0.166	0.008	0.0076	
720 minute winter	SW23	6.010	SW40	0.9	0.539	0.016	0.0143	
720 minute winter	SW24	6.000	SW25	0.4	0.437	0.066	0.0168	
720 minute winter	SW25	6.001	SW26	0.4	0.403	0.066	0.0216	

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Results for 2 year +45% CC 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.78%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	SW26	345	12.459	0.019	0.5	0.0000	0.0000	OK
720 minute winter	SW27	300	12.805	0.005	0.1	0.0000	0.0000	OK
720 minute winter	SW28	345	12.399	0.021	0.7	0.0183	0.0000	OK
720 minute winter	SW29	330	12.843	0.013	0.2	0.0000	0.0000	OK
720 minute winter	SW30	345	12.363	0.021	0.7	0.0180	0.0000	OK
720 minute winter	SW31	690	11.934	0.276	0.7	0.0000	0.0000	OK
720 minute winter	SW32	690	11.934	0.280	0.4	0.0792	0.0000	SURCHARGED
720 minute winter	SW33	705	11.579	0.010	0.2	0.0091	0.0000	OK
720 minute winter	SW34	705	13.509	0.159	1.0	15.0904	0.0000	SURCHARGED
720 minute winter	SW35	705	11.430	0.011	0.2	0.0030	0.0000	OK
720 minute winter	SW36	705	11.356	0.010	0.2	0.0030	0.0000	OK
720 minute winter	SW37	690	11.198	0.014	0.3	0.0119	0.0000	OK
720 minute winter	SW38	600	12.895	0.225	0.8	9.9844	0.0000	SURCHARGED
720 minute winter	SW39	705	12.516	0.216	0.6	8.3182	0.0000	SURCHARGED
720 minute winter	SW40	690	10.239	0.001	1.1	0.0005	0.0000	OK
720 minute winter	SW41	705	12.390	0.170	0.6	8.1311	0.0000	SURCHARGED
720 minute winter	SW42	330	12.831	0.011	0.2	0.0000	0.0000	OK
720 minute winter	SW43	330	12.313	0.013	0.2	0.0036	0.0000	OK
720 minute winter	SW44	330	12.223	0.013	0.2	0.0035	0.0000	OK
720 minute winter	SW45	330	12.175	0.016	0.3	0.0044	0.0000	OK
720 minute winter	SW46	360	12.053	0.015	0.4	0.0043	0.0000	OK
720 minute winter	SW47	360	11.170	0.025	0.8	0.0070	0.0000	OK
720 minute winter	SW48	300	11.909	0.009	0.1	0.0000	0.0000	OK
720 minute winter	SW49	270	11.909	0.009	0.1	0.0000	0.0000	OK
720 minute winter	SW50	360	11.814	0.013	0.2	0.0021	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	SW26	6.002	SW28	0.5	0.439	0.083	0.0070	
720 minute winter	SW27	7.000	SW26	0.1	0.204	0.005	0.0024	
720 minute winter	SW28	6.003	SW30	0.7	0.470	0.039	0.0054	
720 minute winter	SW29	8.000	SW28	0.2	0.353	0.033	0.0028	
720 minute winter	SW30	6.004	SW31	0.7	0.483	0.039	0.0056	
720 minute winter	SW31	Flow through Pond	SW32	0.4	0.001	0.000	8.9766	
720 minute winter	SW32	6.005	SW33	0.1	0.274	0.015	0.0011	
720 minute winter	SW33	6.006	SW35	0.2	0.316	0.010	0.0080	
720 minute winter	SW34	9.000	SW33	0.1	0.338	0.009	0.0004	
720 minute winter	SW35	6.007	SW36	0.2	0.316	0.010	0.0039	
720 minute winter	SW36	6.008	SW37	0.2	0.255	0.010	0.0108	
720 minute winter	SW37	6.009	SW23	0.3	0.282	0.017	0.0193	
720 minute winter	SW38	10.000	SW37	0.1	0.395	0.016	0.0005	
720 minute winter	SW39	11.000	SW23	0.1	0.332	0.009	0.0003	
720 minute winter	SW40	Pump		1.1				44.2
720 minute winter	SW41	12.000	SW40	0.1	0.342	0.010	0.0005	
720 minute winter	SW42	13.000	SW43	0.2	0.451	0.023	0.0016	
720 minute winter	SW43	13.001	SW44	0.2	0.353	0.033	0.0051	
720 minute winter	SW44	13.002	SW45	0.2	0.304	0.033	0.0035	
720 minute winter	SW45	13.003	SW46	0.3	0.429	0.050	0.0091	
720 minute winter	SW46	13.004	SW47	0.4	0.530	0.050	0.0106	
720 minute winter	SW47	17.000	SW55	0.8	0.518	0.133	0.0229	
720 minute winter	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
720 minute winter	SW49	15.000	SW50	0.1	0.282	0.017	0.0046	
720 minute winter	SW50	15.001	SW51	0.2	0.386	0.033	0.0067	

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Results for 2 year +45% CC 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.78%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	SW51	360	11.683	0.011	0.2	0.0017	0.0000	OK
720 minute winter	SW52	360	11.215	0.015	0.3	0.0043	0.0000	OK
720 minute winter	SW53	240	11.909	0.009	0.1	0.0000	0.0000	OK
720 minute winter	SW54	240	11.280	0.009	0.1	0.0026	0.0000	OK
720 minute winter	SW55	360	11.023	0.026	0.8	0.0018	0.0000	OK
720 minute winter	SW56	555	10.526	0.232	0.8	0.0000	0.0000	OK
720 minute winter	SW57	555	10.526	0.242	0.4	0.0685	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	SW51	15.002	SW52	0.2	0.337	0.024	0.0148	
720 minute winter	SW52	15.003	SW47	0.3	0.272	0.050	0.0063	
720 minute winter	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
720 minute winter	SW54	16.001	SW52	0.1	0.287	0.017	0.0039	
720 minute winter	SW55	17.001	SW56	0.8	0.523	0.133	0.0019	
720 minute winter	SW56	Flow through Pond	SW57	0.4	0.005	0.000	8.1067	
720 minute winter	SW57	17.002	SW40	0.1	0.531	0.013	0.0009	

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Results for 2 year +45% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.81%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	SW1	960	13.109	0.219	2.7	34.9854	0.0000	SURCHARGED
960 minute summer	SW2	960	12.592	0.010	0.1	0.0027	0.0000	OK
960 minute summer	SW3	960	12.453	0.009	0.1	0.0025	0.0000	OK
960 minute summer	SW4	690	12.241	0.012	0.2	0.0000	0.0000	OK
960 minute summer	SW5	480	13.115	0.015	0.3	0.0000	0.0000	OK
960 minute summer	SW6	480	13.047	0.015	0.3	0.0024	0.0000	OK
960 minute summer	SW7	480	12.959	0.016	0.3	0.0011	0.0000	OK
960 minute summer	SW8	675	12.488	0.233	0.3	0.0000	0.0000	OK
960 minute summer	SW9	675	12.488	0.245	0.3	0.0694	0.0000	SURCHARGED
960 minute summer	SW10	465	13.128	0.008	0.2	0.0000	0.0000	OK
960 minute summer	SW11	675	12.488	0.233	0.2	0.0000	0.0000	OK
960 minute summer	SW12	690	11.885	0.012	0.2	0.0033	0.0000	OK
960 minute summer	SW13	870	11.644	0.015	0.5	0.0132	0.0000	OK
960 minute summer	SW14	930	13.299	0.179	0.6	6.1609	0.0000	SURCHARGED
960 minute summer	SW15	930	12.900	0.008	0.1	0.0024	0.0000	OK
960 minute summer	SW16	930	12.830	0.008	0.1	0.0024	0.0000	OK
960 minute summer	SW17	945	12.686	0.009	0.2	0.0077	0.0000	OK
960 minute summer	SW18	975	13.038	0.168	2.5	34.9710	0.0000	SURCHARGED
960 minute summer	SW19	900	12.564	0.011	0.3	0.0031	0.0000	OK
960 minute summer	SW20	885	12.731	0.161	0.5	5.9250	0.0000	SURCHARGED
960 minute summer	SW21	885	11.574	0.016	0.5	0.0045	0.0000	OK
960 minute summer	SW22	960	12.117	0.157	0.8	9.2787	0.0000	SURCHARGED
960 minute summer	SW23	855	11.029	0.020	0.9	0.0057	0.0000	OK
960 minute summer	SW24	495	12.860	0.020	0.5	0.0000	0.0000	OK
960 minute summer	SW25	495	12.676	0.019	0.5	0.0055	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	SW1	1.000	SW2	0.1	0.296	0.008	0.0143	
960 minute summer	SW2	1.001	SW3	0.1	0.308	0.008	0.0061	
960 minute summer	SW3	1.002	SW4	0.1	0.271	0.007	0.0087	
960 minute summer	SW4	1.008	SW12	0.2	0.342	0.012	0.0223	
960 minute summer	SW5	1.003	SW6	0.3	0.399	0.050	0.0051	
960 minute summer	SW6	1.004	SW7	0.3	0.387	0.050	0.0069	
960 minute summer	SW7	1.005	SW8	0.3	0.385	0.050	0.0008	
960 minute summer	SW8	Flow through Pond	SW9	0.3	0.006	0.000	4.0900	
960 minute summer	SW9	1.007	SW4	0.1	0.206	0.014	0.0006	
960 minute summer	SW10	1.006	SW11	0.2	0.638	0.014	0.0010	
960 minute summer	SW11	Flow through Pond	SW9	0.3	0.006	0.000	4.0900	
960 minute summer	SW12	1.009	SW13	0.2	0.278	0.012	0.0190	
960 minute summer	SW13	1.010	SW21	0.5	0.388	0.009	0.0085	
960 minute summer	SW14	2.000	SW15	0.1	0.275	0.014	0.0071	
960 minute summer	SW15	2.001	SW16	0.1	0.275	0.014	0.0022	
960 minute summer	SW16	2.002	SW17	0.1	0.266	0.014	0.0047	
960 minute summer	SW17	2.003	SW19	0.2	0.353	0.007	0.0029	
960 minute summer	SW18	3.000	SW17	0.1	0.322	0.003	0.0003	
960 minute summer	SW19	2.004	SW13	0.3	0.452	0.010	0.0029	
960 minute summer	SW20	4.000	SW19	0.1	0.217	0.014	0.0006	
960 minute summer	SW21	1.011	SW23	0.5	0.366	0.010	0.0753	
960 minute summer	SW22	5.000	SW21	0.1	0.169	0.008	0.0077	
960 minute summer	SW23	6.010	SW40	0.9	0.539	0.016	0.0143	
960 minute summer	SW24	6.000	SW25	0.5	0.467	0.083	0.0196	
960 minute summer	SW25	6.001	SW26	0.5	0.436	0.083	0.0249	

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Results for 2 year +45% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.81%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	SW26	495	12.461	0.021	0.6	0.0000	0.0000	OK
960 minute summer	SW27	435	12.805	0.005	0.1	0.0000	0.0000	OK
960 minute summer	SW28	495	12.401	0.023	0.8	0.0196	0.0000	OK
960 minute summer	SW29	450	12.843	0.013	0.2	0.0000	0.0000	OK
960 minute summer	SW30	495	12.364	0.022	0.8	0.0192	0.0000	OK
960 minute summer	SW31	840	11.918	0.260	0.8	0.0000	0.0000	OK
960 minute summer	SW32	840	11.918	0.264	0.4	0.0748	0.0000	SURCHARGED
960 minute summer	SW33	855	11.579	0.010	0.2	0.0090	0.0000	OK
960 minute summer	SW34	960	13.508	0.158	1.2	14.9535	0.0000	SURCHARGED
960 minute summer	SW35	855	11.429	0.010	0.2	0.0030	0.0000	OK
960 minute summer	SW36	855	11.356	0.010	0.2	0.0029	0.0000	OK
960 minute summer	SW37	765	11.198	0.014	0.3	0.0118	0.0000	OK
960 minute summer	SW38	705	12.889	0.219	1.0	9.7252	0.0000	SURCHARGED
960 minute summer	SW39	960	12.524	0.224	0.7	8.6226	0.0000	SURCHARGED
960 minute summer	SW40	765	10.239	0.001	1.1	0.0005	0.0000	OK
960 minute summer	SW41	960	12.395	0.175	0.7	8.3600	0.0000	SURCHARGED
960 minute summer	SW42	450	12.831	0.011	0.2	0.0000	0.0000	OK
960 minute summer	SW43	450	12.313	0.013	0.2	0.0036	0.0000	OK
960 minute summer	SW44	450	12.223	0.013	0.2	0.0035	0.0000	OK
960 minute summer	SW45	540	12.175	0.016	0.3	0.0044	0.0000	OK
960 minute summer	SW46	465	12.053	0.015	0.4	0.0043	0.0000	OK
960 minute summer	SW47	495	11.171	0.026	0.9	0.0074	0.0000	OK
960 minute summer	SW48	435	11.909	0.009	0.1	0.0000	0.0000	OK
960 minute summer	SW49	405	11.909	0.009	0.1	0.0000	0.0000	OK
960 minute summer	SW50	465	11.814	0.013	0.2	0.0021	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	SW26	6.002	SW28	0.6	0.470	0.099	0.0079	
960 minute summer	SW27	7.000	SW26	0.1	0.204	0.005	0.0027	
960 minute summer	SW28	6.003	SW30	0.8	0.487	0.045	0.0059	
960 minute summer	SW29	8.000	SW28	0.2	0.353	0.033	0.0028	
960 minute summer	SW30	6.004	SW31	0.8	0.502	0.045	0.0061	
960 minute summer	SW31	Flow through Pond	SW32	0.4	0.001	0.000	8.4750	
960 minute summer	SW32	6.005	SW33	0.1	0.271	0.014	0.0011	
960 minute summer	SW33	6.006	SW35	0.2	0.314	0.009	0.0079	
960 minute summer	SW34	9.000	SW33	0.1	0.337	0.009	0.0004	
960 minute summer	SW35	6.007	SW36	0.2	0.314	0.009	0.0039	
960 minute summer	SW36	6.008	SW37	0.2	0.253	0.009	0.0107	
960 minute summer	SW37	6.009	SW23	0.3	0.279	0.017	0.0192	
960 minute summer	SW38	10.000	SW37	0.1	0.394	0.016	0.0005	
960 minute summer	SW39	11.000	SW23	0.1	0.333	0.009	0.0003	
960 minute summer	SW40	Pump		1.1				54.1
960 minute summer	SW41	12.000	SW40	0.1	0.343	0.010	0.0005	
960 minute summer	SW42	13.000	SW43	0.2	0.451	0.023	0.0016	
960 minute summer	SW43	13.001	SW44	0.2	0.353	0.033	0.0051	
960 minute summer	SW44	13.002	SW45	0.2	0.304	0.033	0.0034	
960 minute summer	SW45	13.003	SW46	0.3	0.428	0.050	0.0091	
960 minute summer	SW46	13.004	SW47	0.4	0.530	0.050	0.0106	
960 minute summer	SW47	17.000	SW55	0.9	0.534	0.149	0.0250	
960 minute summer	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
960 minute summer	SW49	15.000	SW50	0.1	0.282	0.017	0.0046	
960 minute summer	SW50	15.001	SW51	0.2	0.386	0.033	0.0067	

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Results for 2 year +45% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.81%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	SW51	465	11.683	0.011	0.2	0.0017	0.0000	OK
960 minute summer	SW52	495	11.218	0.018	0.4	0.0050	0.0000	OK
960 minute summer	SW53	495	11.913	0.013	0.2	0.0000	0.0000	OK
960 minute summer	SW54	495	11.284	0.013	0.2	0.0035	0.0000	OK
960 minute summer	SW55	495	11.024	0.027	0.9	0.0019	0.0000	OK
960 minute summer	SW56	660	10.514	0.220	0.9	0.0000	0.0000	OK
960 minute summer	SW57	660	10.514	0.230	0.5	0.0651	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	SW51	15.002	SW52	0.2	0.337	0.024	0.0168	
960 minute summer	SW52	15.003	SW47	0.4	0.316	0.066	0.0071	
960 minute summer	SW53	16.000	SW54	0.2	0.352	0.033	0.0019	
960 minute summer	SW54	16.001	SW52	0.2	0.283	0.033	0.0053	
960 minute summer	SW55	17.001	SW56	0.9	0.541	0.149	0.0021	
960 minute summer	SW56	Flow through Pond	SW57	0.5	0.003	0.000	7.7026	
960 minute summer	SW57	17.002	SW40	0.1	0.527	0.013	0.0009	

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Results for 2 year +45% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.81%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	SW1	945	13.114	0.224	1.8	35.7233	0.0000	SURCHARGED
960 minute winter	SW2	945	12.592	0.010	0.1	0.0027	0.0000	OK
960 minute winter	SW3	945	12.453	0.009	0.1	0.0025	0.0000	OK
960 minute winter	SW4	735	12.241	0.012	0.2	0.0000	0.0000	OK
960 minute winter	SW5	420	13.113	0.013	0.2	0.0000	0.0000	OK
960 minute winter	SW6	420	13.045	0.013	0.2	0.0020	0.0000	OK
960 minute winter	SW7	420	12.956	0.013	0.2	0.0009	0.0000	OK
960 minute winter	SW8	720	12.482	0.227	0.2	0.0000	0.0000	OK
960 minute winter	SW9	720	12.482	0.239	0.2	0.0676	0.0000	SURCHARGED
960 minute winter	SW10	330	13.126	0.006	0.1	0.0000	0.0000	OK
960 minute winter	SW11	720	12.482	0.227	0.1	0.0000	0.0000	OK
960 minute winter	SW12	735	11.885	0.012	0.2	0.0033	0.0000	OK
960 minute winter	SW13	915	11.644	0.015	0.5	0.0132	0.0000	OK
960 minute winter	SW14	915	13.297	0.177	0.4	6.1003	0.0000	SURCHARGED
960 minute winter	SW15	915	12.900	0.008	0.1	0.0024	0.0000	OK
960 minute winter	SW16	915	12.830	0.008	0.1	0.0024	0.0000	OK
960 minute winter	SW17	930	12.686	0.009	0.2	0.0076	0.0000	OK
960 minute winter	SW18	945	13.039	0.169	1.7	35.1493	0.0000	SURCHARGED
960 minute winter	SW19	915	12.564	0.011	0.3	0.0031	0.0000	OK
960 minute winter	SW20	915	12.730	0.160	0.4	5.8864	0.0000	SURCHARGED
960 minute winter	SW21	915	11.574	0.016	0.5	0.0045	0.0000	OK
960 minute winter	SW22	930	12.115	0.155	0.5	9.1548	0.0000	SURCHARGED
960 minute winter	SW23	915	11.029	0.020	0.9	0.0057	0.0000	OK
960 minute winter	SW24	420	12.855	0.015	0.3	0.0000	0.0000	OK
960 minute winter	SW25	420	12.672	0.015	0.3	0.0043	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	SW1	1.000	SW2	0.1	0.297	0.008	0.0144	
960 minute winter	SW2	1.001	SW3	0.1	0.309	0.008	0.0062	
960 minute winter	SW3	1.002	SW4	0.1	0.272	0.007	0.0087	
960 minute winter	SW4	1.008	SW12	0.2	0.343	0.012	0.0224	
960 minute winter	SW5	1.003	SW6	0.2	0.354	0.033	0.0038	
960 minute winter	SW6	1.004	SW7	0.2	0.345	0.033	0.0051	
960 minute winter	SW7	1.005	SW8	0.2	0.343	0.033	0.0006	
960 minute winter	SW8	Flow through Pond	SW9	0.2	0.006	0.000	3.9809	
960 minute winter	SW9	1.007	SW4	0.1	0.203	0.013	0.0006	
960 minute winter	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
960 minute winter	SW11	Flow through Pond	SW9	0.2	0.006	0.000	3.9809	
960 minute winter	SW12	1.009	SW13	0.2	0.279	0.012	0.0191	
960 minute winter	SW13	1.010	SW21	0.5	0.388	0.009	0.0085	
960 minute winter	SW14	2.000	SW15	0.1	0.274	0.014	0.0071	
960 minute winter	SW15	2.001	SW16	0.1	0.274	0.014	0.0022	
960 minute winter	SW16	2.002	SW17	0.1	0.265	0.014	0.0047	
960 minute winter	SW17	2.003	SW19	0.2	0.352	0.007	0.0029	
960 minute winter	SW18	3.000	SW17	0.1	0.322	0.003	0.0003	
960 minute winter	SW19	2.004	SW13	0.3	0.452	0.010	0.0029	
960 minute winter	SW20	4.000	SW19	0.1	0.217	0.013	0.0006	
960 minute winter	SW21	1.011	SW23	0.5	0.366	0.010	0.0755	
960 minute winter	SW22	5.000	SW21	0.1	0.167	0.008	0.0077	
960 minute winter	SW23	6.010	SW40	0.9	0.539	0.016	0.0144	
960 minute winter	SW24	6.000	SW25	0.3	0.402	0.050	0.0137	
960 minute winter	SW25	6.001	SW26	0.3	0.362	0.050	0.0181	

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Results for 2 year +45% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.81%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	SW26	420	12.458	0.018	0.4	0.0000	0.0000	OK
960 minute winter	SW27	420	12.805	0.005	0.1	0.0000	0.0000	OK
960 minute winter	SW28	480	12.398	0.020	0.6	0.0170	0.0000	OK
960 minute winter	SW29	480	12.843	0.013	0.2	0.0000	0.0000	OK
960 minute winter	SW30	480	12.361	0.019	0.6	0.0167	0.0000	OK
960 minute winter	SW31	900	11.935	0.277	0.6	0.0000	0.0000	OK
960 minute winter	SW32	900	11.935	0.281	0.3	0.0796	0.0000	SURCHARGED
960 minute winter	SW33	915	11.579	0.010	0.2	0.0091	0.0000	OK
960 minute winter	SW34	945	13.505	0.155	0.8	14.7263	0.0000	SURCHARGED
960 minute winter	SW35	915	11.430	0.011	0.2	0.0030	0.0000	OK
960 minute winter	SW36	915	11.356	0.010	0.2	0.0030	0.0000	OK
960 minute winter	SW37	780	11.198	0.014	0.3	0.0119	0.0000	OK
960 minute winter	SW38	735	12.886	0.216	0.6	9.5778	0.0000	SURCHARGED
960 minute winter	SW39	930	12.525	0.225	0.5	8.6570	0.0000	SURCHARGED
960 minute winter	SW40	780	10.239	0.001	1.1	0.0005	0.0000	OK
960 minute winter	SW41	930	12.396	0.176	0.5	8.4079	0.0000	SURCHARGED
960 minute winter	SW42	480	12.831	0.011	0.2	0.0000	0.0000	OK
960 minute winter	SW43	480	12.313	0.013	0.2	0.0036	0.0000	OK
960 minute winter	SW44	480	12.223	0.013	0.2	0.0035	0.0000	OK
960 minute winter	SW45	480	12.175	0.016	0.3	0.0044	0.0000	OK
960 minute winter	SW46	480	12.051	0.013	0.3	0.0038	0.0000	OK
960 minute winter	SW47	480	11.166	0.021	0.6	0.0061	0.0000	OK
960 minute winter	SW48	420	11.909	0.009	0.1	0.0000	0.0000	OK
960 minute winter	SW49	375	11.909	0.009	0.1	0.0000	0.0000	OK
960 minute winter	SW50	375	11.810	0.009	0.1	0.0015	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	SW26	6.002	SW28	0.4	0.428	0.066	0.0062	
960 minute winter	SW27	7.000	SW26	0.1	0.204	0.005	0.0021	
960 minute winter	SW28	6.003	SW30	0.6	0.450	0.034	0.0048	
960 minute winter	SW29	8.000	SW28	0.2	0.353	0.033	0.0028	
960 minute winter	SW30	6.004	SW31	0.6	0.461	0.034	0.0050	
960 minute winter	SW31	Flow through Pond	SW32	0.3	0.001	0.000	9.0246	
960 minute winter	SW32	6.005	SW33	0.1	0.274	0.015	0.0011	
960 minute winter	SW33	6.006	SW35	0.2	0.315	0.009	0.0080	
960 minute winter	SW34	9.000	SW33	0.1	0.337	0.009	0.0004	
960 minute winter	SW35	6.007	SW36	0.2	0.316	0.009	0.0039	
960 minute winter	SW36	6.008	SW37	0.2	0.256	0.009	0.0107	
960 minute winter	SW37	6.009	SW23	0.3	0.279	0.017	0.0193	
960 minute winter	SW38	10.000	SW37	0.1	0.393	0.016	0.0005	
960 minute winter	SW39	11.000	SW23	0.1	0.334	0.009	0.0003	
960 minute winter	SW40	Pump		1.1				54.5
960 minute winter	SW41	12.000	SW40	0.1	0.343	0.010	0.0005	
960 minute winter	SW42	13.000	SW43	0.2	0.451	0.023	0.0016	
960 minute winter	SW43	13.001	SW44	0.2	0.353	0.033	0.0051	
960 minute winter	SW44	13.002	SW45	0.2	0.299	0.033	0.0035	
960 minute winter	SW45	13.003	SW46	0.3	0.429	0.050	0.0084	
960 minute winter	SW46	13.004	SW47	0.3	0.487	0.037	0.0087	
960 minute winter	SW47	17.000	SW55	0.6	0.479	0.099	0.0186	
960 minute winter	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
960 minute winter	SW49	15.000	SW50	0.1	0.282	0.017	0.0035	
960 minute winter	SW50	15.001	SW51	0.1	0.314	0.017	0.0041	

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Results for 2 year +45% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.81%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	SW51	375	11.680	0.008	0.1	0.0012	0.0000	OK
960 minute winter	SW52	375	11.213	0.013	0.2	0.0035	0.0000	OK
960 minute winter	SW53	345	11.909	0.009	0.1	0.0000	0.0000	OK
960 minute winter	SW54	345	11.280	0.009	0.1	0.0026	0.0000	OK
960 minute winter	SW55	480	11.019	0.022	0.6	0.0016	0.0000	OK
960 minute winter	SW56	705	10.516	0.222	0.6	0.0000	0.0000	OK
960 minute winter	SW57	705	10.516	0.232	0.3	0.0656	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	SW51	15.002	SW52	0.1	0.242	0.012	0.0104	
960 minute winter	SW52	15.003	SW47	0.2	0.272	0.033	0.0050	
960 minute winter	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
960 minute winter	SW54	16.001	SW52	0.1	0.287	0.017	0.0032	
960 minute winter	SW55	17.001	SW56	0.6	0.483	0.099	0.0016	
960 minute winter	SW56	Flow through Pond	SW57	0.3	0.003	0.000	7.7607	
960 minute winter	SW57	17.002	SW40	0.1	0.527	0.013	0.0009	

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Results for 2 year +45% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	SW1	1440	13.119	0.229	1.9	36.5808	0.0000	SURCHARGED
1440 minute summer	SW2	1440	12.592	0.010	0.1	0.0028	0.0000	OK
1440 minute summer	SW3	1440	12.453	0.009	0.1	0.0026	0.0000	OK
1440 minute summer	SW4	990	12.241	0.012	0.2	0.0000	0.0000	OK
1440 minute summer	SW5	720	13.113	0.013	0.2	0.0000	0.0000	OK
1440 minute summer	SW6	720	13.045	0.013	0.2	0.0020	0.0000	OK
1440 minute summer	SW7	720	12.956	0.013	0.2	0.0009	0.0000	OK
1440 minute summer	SW8	960	12.465	0.210	0.2	0.0000	0.0000	OK
1440 minute summer	SW9	960	12.465	0.222	0.2	0.0629	0.0000	SURCHARGED
1440 minute summer	SW10	600	13.126	0.006	0.1	0.0000	0.0000	OK
1440 minute summer	SW11	960	12.465	0.210	0.1	0.0000	0.0000	OK
1440 minute summer	SW12	990	11.885	0.012	0.2	0.0033	0.0000	OK
1440 minute summer	SW13	1110	11.644	0.015	0.5	0.0131	0.0000	OK
1440 minute summer	SW14	1140	13.279	0.159	0.4	5.4469	0.0000	SURCHARGED
1440 minute summer	SW15	1140	12.900	0.008	0.1	0.0023	0.0000	OK
1440 minute summer	SW16	1140	12.830	0.008	0.1	0.0023	0.0000	OK
1440 minute summer	SW17	1140	12.686	0.009	0.2	0.0076	0.0000	OK
1440 minute summer	SW18	1470	13.050	0.180	1.8	37.4160	0.0000	SURCHARGED
1440 minute summer	SW19	1140	12.564	0.011	0.2	0.0030	0.0000	OK
1440 minute summer	SW20	1110	12.717	0.147	0.4	5.3979	0.0000	SURCHARGED
1440 minute summer	SW21	1110	11.574	0.016	0.5	0.0045	0.0000	OK
1440 minute summer	SW22	1440	12.130	0.170	0.6	10.0605	0.0000	SURCHARGED
1440 minute summer	SW23	1110	11.029	0.020	0.9	0.0057	0.0000	OK
1440 minute summer	SW24	750	12.858	0.018	0.4	0.0000	0.0000	OK
1440 minute summer	SW25	750	12.674	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	SW1	1.000	SW2	0.1	0.298	0.008	0.0145	
1440 minute summer	SW2	1.001	SW3	0.1	0.311	0.008	0.0062	
1440 minute summer	SW3	1.002	SW4	0.1	0.281	0.007	0.0087	
1440 minute summer	SW4	1.008	SW12	0.2	0.342	0.012	0.0223	
1440 minute summer	SW5	1.003	SW6	0.2	0.354	0.033	0.0038	
1440 minute summer	SW6	1.004	SW7	0.2	0.345	0.033	0.0051	
1440 minute summer	SW7	1.005	SW8	0.2	0.343	0.033	0.0006	
1440 minute summer	SW8	Flow through Pond	SW9	0.2	0.010	0.000	3.6968	
1440 minute summer	SW9	1.007	SW4	0.1	0.199	0.013	0.0006	
1440 minute summer	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
1440 minute summer	SW11	Flow through Pond	SW9	0.2	0.010	0.000	3.6968	
1440 minute summer	SW12	1.009	SW13	0.2	0.279	0.012	0.0189	
1440 minute summer	SW13	1.010	SW21	0.5	0.385	0.009	0.0084	
1440 minute summer	SW14	2.000	SW15	0.1	0.269	0.013	0.0069	
1440 minute summer	SW15	2.001	SW16	0.1	0.269	0.013	0.0021	
1440 minute summer	SW16	2.002	SW17	0.1	0.257	0.013	0.0046	
1440 minute summer	SW17	2.003	SW19	0.2	0.350	0.006	0.0029	
1440 minute summer	SW18	3.000	SW17	0.1	0.324	0.003	0.0003	
1440 minute summer	SW19	2.004	SW13	0.2	0.448	0.010	0.0028	
1440 minute summer	SW20	4.000	SW19	0.1	0.213	0.013	0.0006	
1440 minute summer	SW21	1.011	SW23	0.5	0.364	0.010	0.0750	
1440 minute summer	SW22	5.000	SW21	0.1	0.179	0.009	0.0077	
1440 minute summer	SW23	6.010	SW40	0.9	0.538	0.016	0.0143	
1440 minute summer	SW24	6.000	SW25	0.4	0.437	0.066	0.0168	
1440 minute summer	SW25	6.001	SW26	0.4	0.403	0.066	0.0216	

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Results for 2 year +45% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	SW26	750	12.459	0.019	0.5	0.0000	0.0000	OK
1440 minute summer	SW27	720	12.805	0.005	0.1	0.0000	0.0000	OK
1440 minute summer	SW28	750	12.399	0.021	0.7	0.0183	0.0000	OK
1440 minute summer	SW29	750	12.843	0.013	0.2	0.0000	0.0000	OK
1440 minute summer	SW30	750	12.363	0.021	0.7	0.0180	0.0000	OK
1440 minute summer	SW31	1080	11.903	0.245	0.7	0.0000	0.0000	OK
1440 minute summer	SW32	1080	11.903	0.249	0.4	0.0705	0.0000	SURCHARGED
1440 minute summer	SW33	1080	11.579	0.010	0.2	0.0090	0.0000	OK
1440 minute summer	SW34	1440	13.516	0.166	0.9	15.7123	0.0000	SURCHARGED
1440 minute summer	SW35	1080	11.429	0.010	0.2	0.0030	0.0000	OK
1440 minute summer	SW36	1080	11.356	0.010	0.2	0.0029	0.0000	OK
1440 minute summer	SW37	1050	11.198	0.014	0.3	0.0119	0.0000	OK
1440 minute summer	SW38	990	12.898	0.228	0.7	10.1216	0.0000	SURCHARGED
1440 minute summer	SW39	1350	12.529	0.229	0.5	8.8143	0.0000	SURCHARGED
1440 minute summer	SW40	1050	10.239	0.001	1.1	0.0005	0.0000	OK
1440 minute summer	SW41	1350	12.397	0.177	0.5	8.4689	0.0000	SURCHARGED
1440 minute summer	SW42	750	12.831	0.011	0.2	0.0000	0.0000	OK
1440 minute summer	SW43	750	12.313	0.013	0.2	0.0036	0.0000	OK
1440 minute summer	SW44	750	12.223	0.013	0.2	0.0035	0.0000	OK
1440 minute summer	SW45	750	12.175	0.016	0.3	0.0044	0.0000	OK
1440 minute summer	SW46	750	12.051	0.013	0.3	0.0038	0.0000	OK
1440 minute summer	SW47	750	11.166	0.021	0.6	0.0061	0.0000	OK
1440 minute summer	SW48	720	11.909	0.009	0.1	0.0000	0.0000	OK
1440 minute summer	SW49	660	11.909	0.009	0.1	0.0000	0.0000	OK
1440 minute summer	SW50	660	11.810	0.009	0.1	0.0015	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	SW26	6.002	SW28	0.5	0.439	0.083	0.0070	
1440 minute summer	SW27	7.000	SW26	0.1	0.202	0.005	0.0024	
1440 minute summer	SW28	6.003	SW30	0.7	0.470	0.039	0.0054	
1440 minute summer	SW29	8.000	SW28	0.2	0.353	0.033	0.0028	
1440 minute summer	SW30	6.004	SW31	0.7	0.483	0.039	0.0056	
1440 minute summer	SW31	Flow through Pond	SW32	0.4	0.001	0.000	7.9840	
1440 minute summer	SW32	6.005	SW33	0.1	0.269	0.014	0.0011	
1440 minute summer	SW33	6.006	SW35	0.2	0.313	0.009	0.0079	
1440 minute summer	SW34	9.000	SW33	0.1	0.340	0.010	0.0004	
1440 minute summer	SW35	6.007	SW36	0.2	0.314	0.009	0.0038	
1440 minute summer	SW36	6.008	SW37	0.2	0.251	0.009	0.0107	
1440 minute summer	SW37	6.009	SW23	0.3	0.281	0.017	0.0192	
1440 minute summer	SW38	10.000	SW37	0.1	0.396	0.016	0.0005	
1440 minute summer	SW39	11.000	SW23	0.1	0.334	0.009	0.0003	
1440 minute summer	SW40	Pump		1.1				71.6
1440 minute summer	SW41	12.000	SW40	0.1	0.344	0.010	0.0005	
1440 minute summer	SW42	13.000	SW43	0.2	0.451	0.023	0.0016	
1440 minute summer	SW43	13.001	SW44	0.2	0.353	0.033	0.0051	
1440 minute summer	SW44	13.002	SW45	0.2	0.299	0.033	0.0035	
1440 minute summer	SW45	13.003	SW46	0.3	0.429	0.050	0.0084	
1440 minute summer	SW46	13.004	SW47	0.3	0.487	0.037	0.0087	
1440 minute summer	SW47	17.000	SW55	0.6	0.479	0.099	0.0186	
1440 minute summer	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
1440 minute summer	SW49	15.000	SW50	0.1	0.282	0.017	0.0035	
1440 minute summer	SW50	15.001	SW51	0.1	0.314	0.017	0.0041	

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Results for 2 year +45% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	SW51	660	11.680	0.008	0.1	0.0012	0.0000	OK
1440 minute summer	SW52	660	11.213	0.013	0.2	0.0035	0.0000	OK
1440 minute summer	SW53	630	11.909	0.009	0.1	0.0000	0.0000	OK
1440 minute summer	SW54	630	11.280	0.009	0.1	0.0026	0.0000	OK
1440 minute summer	SW55	750	11.019	0.022	0.6	0.0016	0.0000	OK
1440 minute summer	SW56	930	10.486	0.192	0.6	0.0000	0.0000	OK
1440 minute summer	SW57	930	10.486	0.202	0.3	0.0572	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	SW51	15.002	SW52	0.1	0.242	0.012	0.0104	
1440 minute summer	SW52	15.003	SW47	0.2	0.272	0.033	0.0050	
1440 minute summer	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
1440 minute summer	SW54	16.001	SW52	0.1	0.285	0.017	0.0032	
1440 minute summer	SW55	17.001	SW56	0.6	0.483	0.099	0.0016	
1440 minute summer	SW56	Flow through Pond	SW57	0.3	0.002	0.000	6.7432	
1440 minute summer	SW57	17.002	SW40	0.1	0.516	0.012	0.0009	

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Results for 2 year +45% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	SW1	1410	13.120	0.230	1.3	36.7670	0.0000	SURCHARGED
1440 minute winter	SW2	1410	12.592	0.010	0.1	0.0028	0.0000	OK
1440 minute winter	SW3	1410	12.453	0.009	0.1	0.0026	0.0000	OK
1440 minute winter	SW4	1050	12.241	0.012	0.2	0.0000	0.0000	OK
1440 minute winter	SW5	480	13.109	0.009	0.1	0.0000	0.0000	OK
1440 minute winter	SW6	480	13.041	0.009	0.1	0.0014	0.0000	OK
1440 minute winter	SW7	480	12.952	0.009	0.1	0.0007	0.0000	OK
1440 minute winter	SW8	1020	12.463	0.208	0.1	0.0000	0.0000	OK
1440 minute winter	SW9	1020	12.463	0.220	0.1	0.0622	0.0000	SURCHARGED
1440 minute winter	SW10	570	13.126	0.006	0.1	0.0000	0.0000	OK
1440 minute winter	SW11	1020	12.463	0.208	0.1	0.0000	0.0000	OK
1440 minute winter	SW12	1050	11.885	0.012	0.2	0.0033	0.0000	OK
1440 minute winter	SW13	1140	11.644	0.015	0.5	0.0131	0.0000	OK
1440 minute winter	SW14	1170	13.282	0.162	0.3	5.5539	0.0000	SURCHARGED
1440 minute winter	SW15	1170	12.900	0.008	0.1	0.0023	0.0000	OK
1440 minute winter	SW16	1170	12.830	0.008	0.1	0.0023	0.0000	OK
1440 minute winter	SW17	1170	12.686	0.009	0.2	0.0076	0.0000	OK
1440 minute winter	SW18	1410	13.047	0.177	1.2	36.7942	0.0000	SURCHARGED
1440 minute winter	SW19	1170	12.564	0.011	0.2	0.0030	0.0000	OK
1440 minute winter	SW20	1140	12.713	0.143	0.3	5.2177	0.0000	SURCHARGED
1440 minute winter	SW21	1140	11.574	0.016	0.5	0.0045	0.0000	OK
1440 minute winter	SW22	1380	12.122	0.162	0.4	9.5621	0.0000	SURCHARGED
1440 minute winter	SW23	1140	11.029	0.020	0.9	0.0057	0.0000	OK
1440 minute winter	SW24	600	12.853	0.013	0.2	0.0000	0.0000	OK
1440 minute winter	SW25	600	12.670	0.013	0.2	0.0035	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	SW1	1.000	SW2	0.1	0.298	0.008	0.0146	
1440 minute winter	SW2	1.001	SW3	0.1	0.311	0.008	0.0063	
1440 minute winter	SW3	1.002	SW4	0.1	0.279	0.007	0.0088	
1440 minute winter	SW4	1.008	SW12	0.2	0.342	0.012	0.0223	
1440 minute winter	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
1440 minute winter	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
1440 minute winter	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
1440 minute winter	SW8	Flow through Pond	SW9	0.1	0.010	0.000	3.6558	
1440 minute winter	SW9	1.007	SW4	0.1	0.198	0.013	0.0006	
1440 minute winter	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
1440 minute winter	SW11	Flow through Pond	SW9	0.1	0.010	0.000	3.6558	
1440 minute winter	SW12	1.009	SW13	0.2	0.280	0.012	0.0189	
1440 minute winter	SW13	1.010	SW21	0.5	0.386	0.009	0.0084	
1440 minute winter	SW14	2.000	SW15	0.1	0.270	0.014	0.0069	
1440 minute winter	SW15	2.001	SW16	0.1	0.270	0.014	0.0021	
1440 minute winter	SW16	2.002	SW17	0.1	0.259	0.014	0.0046	
1440 minute winter	SW17	2.003	SW19	0.2	0.351	0.006	0.0029	
1440 minute winter	SW18	3.000	SW17	0.1	0.324	0.003	0.0003	
1440 minute winter	SW19	2.004	SW13	0.2	0.448	0.010	0.0028	
1440 minute winter	SW20	4.000	SW19	0.1	0.211	0.013	0.0006	
1440 minute winter	SW21	1.011	SW23	0.5	0.365	0.010	0.0747	
1440 minute winter	SW22	5.000	SW21	0.1	0.174	0.008	0.0076	
1440 minute winter	SW23	6.010	SW40	0.9	0.537	0.016	0.0142	
1440 minute winter	SW24	6.000	SW25	0.2	0.355	0.033	0.0103	
1440 minute winter	SW25	6.001	SW26	0.2	0.355	0.033	0.0122	

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Results for 2 year +45% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	SW26	600	12.452	0.012	0.2	0.0000	0.0000	OK
1440 minute winter	SW27	30	12.800	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	SW28	600	12.392	0.014	0.3	0.0121	0.0000	OK
1440 minute winter	SW29	540	12.839	0.009	0.1	0.0000	0.0000	OK
1440 minute winter	SW30	600	12.356	0.014	0.3	0.0120	0.0000	OK
1440 minute winter	SW31	1110	11.878	0.220	0.3	0.0000	0.0000	OK
1440 minute winter	SW32	1110	11.878	0.224	0.2	0.0633	0.0000	SURCHARGED
1440 minute winter	SW33	1110	11.579	0.010	0.2	0.0089	0.0000	OK
1440 minute winter	SW34	1410	13.514	0.164	0.6	15.6080	0.0000	SURCHARGED
1440 minute winter	SW35	1140	11.429	0.010	0.2	0.0029	0.0000	OK
1440 minute winter	SW36	1140	11.356	0.010	0.2	0.0029	0.0000	OK
1440 minute winter	SW37	1110	11.198	0.014	0.3	0.0117	0.0000	OK
1440 minute winter	SW38	1050	12.886	0.216	0.5	9.5548	0.0000	SURCHARGED
1440 minute winter	SW39	1350	12.529	0.229	0.4	8.8046	0.0000	SURCHARGED
1440 minute winter	SW40	90	10.239	0.001	1.1	0.0006	0.0000	OK
1440 minute winter	SW41	1350	12.397	0.177	0.4	8.4588	0.0000	SURCHARGED
1440 minute winter	SW42	540	12.828	0.008	0.1	0.0000	0.0000	OK
1440 minute winter	SW43	630	12.309	0.009	0.1	0.0026	0.0000	OK
1440 minute winter	SW44	540	12.219	0.009	0.1	0.0026	0.0000	OK
1440 minute winter	SW45	660	12.172	0.013	0.2	0.0036	0.0000	OK
1440 minute winter	SW46	660	12.049	0.011	0.2	0.0031	0.0000	OK
1440 minute winter	SW47	660	11.163	0.018	0.4	0.0050	0.0000	OK
1440 minute winter	SW48	30	11.900	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	SW49	660	11.909	0.009	0.1	0.0000	0.0000	OK
1440 minute winter	SW50	660	11.810	0.009	0.1	0.0015	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	SW26	6.002	SW28	0.2	0.328	0.033	0.0038	
1440 minute winter	SW27	7.000	SW26	0.0	0.000	0.000	0.0011	
1440 minute winter	SW28	6.003	SW30	0.3	0.370	0.017	0.0029	
1440 minute winter	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
1440 minute winter	SW30	6.004	SW31	0.3	0.376	0.017	0.0031	
1440 minute winter	SW31	Flow through Pond	SW32	0.2	0.001	0.000	7.1582	
1440 minute winter	SW32	6.005	SW33	0.1	0.264	0.013	0.0011	
1440 minute winter	SW33	6.006	SW35	0.2	0.310	0.009	0.0077	
1440 minute winter	SW34	9.000	SW33	0.1	0.339	0.010	0.0004	
1440 minute winter	SW35	6.007	SW36	0.2	0.311	0.009	0.0038	
1440 minute winter	SW36	6.008	SW37	0.2	0.249	0.009	0.0105	
1440 minute winter	SW37	6.009	SW23	0.3	0.276	0.017	0.0190	
1440 minute winter	SW38	10.000	SW37	0.1	0.393	0.016	0.0005	
1440 minute winter	SW39	11.000	SW23	0.1	0.334	0.009	0.0003	
1440 minute winter	SW40	Pump		1.1				71.2
1440 minute winter	SW41	12.000	SW40	0.1	0.344	0.010	0.0005	
1440 minute winter	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
1440 minute winter	SW43	13.001	SW44	0.1	0.287	0.017	0.0032	
1440 minute winter	SW44	13.002	SW45	0.1	0.281	0.017	0.0024	
1440 minute winter	SW45	13.003	SW46	0.2	0.380	0.033	0.0064	
1440 minute winter	SW46	13.004	SW47	0.2	0.431	0.025	0.0065	
1440 minute winter	SW47	17.000	SW55	0.4	0.427	0.066	0.0139	
1440 minute winter	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
1440 minute winter	SW49	15.000	SW50	0.1	0.282	0.017	0.0035	
1440 minute winter	SW50	15.001	SW51	0.1	0.314	0.017	0.0041	

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Results for 2 year +45% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	SW51	660	11.680	0.008	0.1	0.0012	0.0000	OK
1440 minute winter	SW52	660	11.213	0.013	0.2	0.0035	0.0000	OK
1440 minute winter	SW53	600	11.909	0.009	0.1	0.0000	0.0000	OK
1440 minute winter	SW54	600	11.280	0.009	0.1	0.0026	0.0000	OK
1440 minute winter	SW55	660	11.015	0.018	0.4	0.0013	0.0000	OK
1440 minute winter	SW56	960	10.477	0.183	0.4	0.0000	0.0000	OK
1440 minute winter	SW57	960	10.477	0.193	0.2	0.0546	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	SW51	15.002	SW52	0.1	0.242	0.012	0.0104	
1440 minute winter	SW52	15.003	SW47	0.2	0.272	0.033	0.0041	
1440 minute winter	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
1440 minute winter	SW54	16.001	SW52	0.1	0.287	0.017	0.0032	
1440 minute winter	SW55	17.001	SW56	0.4	0.431	0.066	0.0012	
1440 minute winter	SW56	Flow through Pond	SW57	0.2	0.001	0.000	6.4278	
1440 minute winter	SW57	17.002	SW40	0.1	0.512	0.012	0.0009	

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Results for 2 year +45% CC 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	SW1	1920	13.125	0.235	1.4	37.5958	0.0000	SURCHARGED
2160 minute summer	SW2	1920	12.592	0.010	0.1	0.0028	0.0000	OK
2160 minute summer	SW3	1920	12.453	0.009	0.1	0.0026	0.0000	OK
2160 minute summer	SW4	1440	12.241	0.012	0.2	0.0000	0.0000	OK
2160 minute summer	SW5	1140	13.113	0.013	0.2	0.0000	0.0000	OK
2160 minute summer	SW6	1140	13.045	0.013	0.2	0.0020	0.0000	OK
2160 minute summer	SW7	1140	12.956	0.013	0.2	0.0009	0.0000	OK
2160 minute summer	SW8	1380	12.478	0.223	0.2	0.0000	0.0000	OK
2160 minute summer	SW9	1380	12.478	0.235	0.2	0.0665	0.0000	SURCHARGED
2160 minute summer	SW10	1020	13.126	0.006	0.1	0.0000	0.0000	OK
2160 minute summer	SW11	1380	12.478	0.223	0.1	0.0000	0.0000	OK
2160 minute summer	SW12	1440	11.885	0.012	0.2	0.0033	0.0000	OK
2160 minute summer	SW13	1500	11.644	0.015	0.5	0.0132	0.0000	OK
2160 minute summer	SW14	1560	13.276	0.156	0.3	5.3605	0.0000	SURCHARGED
2160 minute summer	SW15	1560	12.900	0.008	0.1	0.0023	0.0000	OK
2160 minute summer	SW16	1560	12.830	0.008	0.1	0.0023	0.0000	OK
2160 minute summer	SW17	1560	12.686	0.009	0.2	0.0076	0.0000	OK
2160 minute summer	SW18	2160	13.052	0.182	1.3	37.9212	0.0000	SURCHARGED
2160 minute summer	SW19	1560	12.564	0.011	0.2	0.0030	0.0000	OK
2160 minute summer	SW20	1500	12.712	0.142	0.3	5.1989	0.0000	SURCHARGED
2160 minute summer	SW21	1500	11.574	0.016	0.5	0.0045	0.0000	OK
2160 minute summer	SW22	1740	12.117	0.157	0.4	9.2464	0.0000	SURCHARGED
2160 minute summer	SW23	1500	11.029	0.020	0.9	0.0057	0.0000	OK
2160 minute summer	SW24	1140	12.855	0.015	0.3	0.0000	0.0000	OK
2160 minute summer	SW25	1140	12.672	0.015	0.3	0.0043	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	SW1	1.000	SW2	0.1	0.299	0.008	0.0147	
2160 minute summer	SW2	1.001	SW3	0.1	0.312	0.008	0.0063	
2160 minute summer	SW3	1.002	SW4	0.1	0.287	0.007	0.0088	
2160 minute summer	SW4	1.008	SW12	0.2	0.344	0.012	0.0226	
2160 minute summer	SW5	1.003	SW6	0.2	0.354	0.033	0.0038	
2160 minute summer	SW6	1.004	SW7	0.2	0.345	0.033	0.0051	
2160 minute summer	SW7	1.005	SW8	0.2	0.343	0.033	0.0006	
2160 minute summer	SW8	Flow through Pond	SW9	0.2	0.002	0.000	3.9122	
2160 minute summer	SW9	1.007	SW4	0.1	0.202	0.013	0.0006	
2160 minute summer	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
2160 minute summer	SW11	Flow through Pond	SW9	0.2	0.002	0.000	3.9122	
2160 minute summer	SW12	1.009	SW13	0.2	0.282	0.012	0.0190	
2160 minute summer	SW13	1.010	SW21	0.5	0.387	0.009	0.0084	
2160 minute summer	SW14	2.000	SW15	0.1	0.268	0.013	0.0068	
2160 minute summer	SW15	2.001	SW16	0.1	0.269	0.013	0.0021	
2160 minute summer	SW16	2.002	SW17	0.1	0.256	0.013	0.0046	
2160 minute summer	SW17	2.003	SW19	0.2	0.351	0.006	0.0029	
2160 minute summer	SW18	3.000	SW17	0.1	0.325	0.003	0.0003	
2160 minute summer	SW19	2.004	SW13	0.2	0.447	0.010	0.0028	
2160 minute summer	SW20	4.000	SW19	0.1	0.211	0.013	0.0006	
2160 minute summer	SW21	1.011	SW23	0.5	0.364	0.010	0.0751	
2160 minute summer	SW22	5.000	SW21	0.1	0.171	0.008	0.0076	
2160 minute summer	SW23	6.010	SW40	0.9	0.539	0.016	0.0143	
2160 minute summer	SW24	6.000	SW25	0.3	0.402	0.050	0.0137	
2160 minute summer	SW25	6.001	SW26	0.3	0.360	0.050	0.0181	

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Results for 2 year +45% CC 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	SW26	1140	12.458	0.018	0.4	0.0000	0.0000	OK
2160 minute summer	SW27	1140	12.805	0.005	0.1	0.0000	0.0000	OK
2160 minute summer	SW28	1140	12.396	0.018	0.5	0.0155	0.0000	OK
2160 minute summer	SW29	960	12.839	0.009	0.1	0.0000	0.0000	OK
2160 minute summer	SW30	1140	12.360	0.018	0.5	0.0153	0.0000	OK
2160 minute summer	SW31	1500	11.920	0.262	0.5	0.0000	0.0000	OK
2160 minute summer	SW32	1500	11.920	0.266	0.3	0.0753	0.0000	SURCHARGED
2160 minute summer	SW33	1500	11.580	0.011	0.2	0.0091	0.0000	OK
2160 minute summer	SW34	2160	13.527	0.177	0.6	16.7898	0.0000	SURCHARGED
2160 minute summer	SW35	1500	11.430	0.011	0.2	0.0030	0.0000	OK
2160 minute summer	SW36	1500	11.356	0.010	0.2	0.0030	0.0000	OK
2160 minute summer	SW37	1440	11.198	0.014	0.3	0.0119	0.0000	OK
2160 minute summer	SW38	1440	12.887	0.217	0.5	9.6376	0.0000	SURCHARGED
2160 minute summer	SW39	1680	12.517	0.217	0.4	8.3601	0.0000	SURCHARGED
2160 minute summer	SW40	1500	10.239	0.001	1.1	0.0005	0.0000	OK
2160 minute summer	SW41	1680	12.388	0.168	0.4	8.0447	0.0000	SURCHARGED
2160 minute summer	SW42	960	12.828	0.008	0.1	0.0000	0.0000	OK
2160 minute summer	SW43	1020	12.309	0.009	0.1	0.0026	0.0000	OK
2160 minute summer	SW44	960	12.219	0.009	0.1	0.0026	0.0000	OK
2160 minute summer	SW45	1080	12.172	0.013	0.2	0.0036	0.0000	OK
2160 minute summer	SW46	1080	12.049	0.011	0.2	0.0031	0.0000	OK
2160 minute summer	SW47	1140	11.165	0.020	0.5	0.0055	0.0000	OK
2160 minute summer	SW48	1140	11.909	0.009	0.1	0.0000	0.0000	OK
2160 minute summer	SW49	1080	11.909	0.009	0.1	0.0000	0.0000	OK
2160 minute summer	SW50	1080	11.810	0.009	0.1	0.0015	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	SW26	6.002	SW28	0.4	0.428	0.066	0.0058	
2160 minute summer	SW27	7.000	SW26	0.1	0.202	0.005	0.0021	
2160 minute summer	SW28	6.003	SW30	0.5	0.427	0.028	0.0042	
2160 minute summer	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
2160 minute summer	SW30	6.004	SW31	0.5	0.437	0.028	0.0044	
2160 minute summer	SW31	Flow through Pond	SW32	0.3	0.001	0.000	8.5265	
2160 minute summer	SW32	6.005	SW33	0.1	0.271	0.014	0.0011	
2160 minute summer	SW33	6.006	SW35	0.2	0.316	0.010	0.0081	
2160 minute summer	SW34	9.000	SW33	0.1	0.343	0.010	0.0004	
2160 minute summer	SW35	6.007	SW36	0.2	0.316	0.010	0.0039	
2160 minute summer	SW36	6.008	SW37	0.2	0.256	0.010	0.0108	
2160 minute summer	SW37	6.009	SW23	0.3	0.282	0.017	0.0193	
2160 minute summer	SW38	10.000	SW37	0.1	0.393	0.016	0.0005	
2160 minute summer	SW39	11.000	SW23	0.1	0.332	0.009	0.0003	
2160 minute summer	SW40	Pump		1.1				94.4
2160 minute summer	SW41	12.000	SW40	0.1	0.341	0.010	0.0005	
2160 minute summer	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
2160 minute summer	SW43	13.001	SW44	0.1	0.287	0.017	0.0032	
2160 minute summer	SW44	13.002	SW45	0.1	0.281	0.017	0.0024	
2160 minute summer	SW45	13.003	SW46	0.2	0.380	0.033	0.0064	
2160 minute summer	SW46	13.004	SW47	0.2	0.431	0.025	0.0065	
2160 minute summer	SW47	17.000	SW55	0.5	0.455	0.083	0.0163	
2160 minute summer	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
2160 minute summer	SW49	15.000	SW50	0.1	0.282	0.017	0.0035	
2160 minute summer	SW50	15.001	SW51	0.1	0.314	0.017	0.0041	

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Results for 2 year +45% CC 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	SW51	1080	11.680	0.008	0.1	0.0012	0.0000	OK
2160 minute summer	SW52	1080	11.213	0.013	0.2	0.0035	0.0000	OK
2160 minute summer	SW53	1020	11.909	0.009	0.1	0.0000	0.0000	OK
2160 minute summer	SW54	1020	11.280	0.009	0.1	0.0026	0.0000	OK
2160 minute summer	SW55	1140	11.017	0.020	0.5	0.0014	0.0000	OK
2160 minute summer	SW56	1320	10.495	0.201	0.5	0.0000	0.0000	OK
2160 minute summer	SW57	1320	10.495	0.211	0.3	0.0598	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	SW51	15.002	SW52	0.1	0.242	0.012	0.0104	
2160 minute summer	SW52	15.003	SW47	0.2	0.271	0.033	0.0046	
2160 minute summer	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
2160 minute summer	SW54	16.001	SW52	0.1	0.286	0.017	0.0032	
2160 minute summer	SW55	17.001	SW56	0.5	0.459	0.083	0.0014	
2160 minute summer	SW56	Flow through Pond	SW57	0.3	0.004	0.000	7.0554	
2160 minute summer	SW57	17.002	SW40	0.1	0.519	0.013	0.0009	

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Results for 2 year +45% CC 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	SW1	2100	13.129	0.239	0.9	38.1267	0.0000	SURCHARGED
2160 minute winter	SW2	2100	12.592	0.010	0.1	0.0028	0.0000	OK
2160 minute winter	SW3	2100	12.453	0.009	0.1	0.0026	0.0000	OK
2160 minute winter	SW4	1500	12.241	0.012	0.2	0.0000	0.0000	OK
2160 minute winter	SW5	840	13.109	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	SW6	840	13.041	0.009	0.1	0.0014	0.0000	OK
2160 minute winter	SW7	840	12.952	0.009	0.1	0.0007	0.0000	OK
2160 minute winter	SW8	1440	12.490	0.235	0.1	0.0000	0.0000	OK
2160 minute winter	SW9	1440	12.490	0.247	0.1	0.0698	0.0000	SURCHARGED
2160 minute winter	SW10	960	13.126	0.006	0.1	0.0000	0.0000	OK
2160 minute winter	SW11	1440	12.490	0.235	0.1	0.0000	0.0000	OK
2160 minute winter	SW12	1500	11.885	0.012	0.2	0.0033	0.0000	OK
2160 minute winter	SW13	1620	11.644	0.015	0.5	0.0132	0.0000	OK
2160 minute winter	SW14	1620	13.282	0.162	0.2	5.5710	0.0000	SURCHARGED
2160 minute winter	SW15	1620	12.900	0.008	0.1	0.0023	0.0000	OK
2160 minute winter	SW16	1620	12.830	0.008	0.1	0.0023	0.0000	OK
2160 minute winter	SW17	1620	12.686	0.009	0.2	0.0076	0.0000	OK
2160 minute winter	SW18	2100	13.067	0.197	0.9	40.9813	0.0000	SURCHARGED
2160 minute winter	SW19	1620	12.564	0.011	0.2	0.0030	0.0000	OK
2160 minute winter	SW20	1620	12.710	0.140	0.2	5.1059	0.0000	SURCHARGED
2160 minute winter	SW21	1620	11.574	0.016	0.5	0.0045	0.0000	OK
2160 minute winter	SW22	1980	12.122	0.162	0.3	9.5516	0.0000	SURCHARGED
2160 minute winter	SW23	1620	11.029	0.020	0.9	0.0057	0.0000	OK
2160 minute winter	SW24	1020	12.853	0.013	0.2	0.0000	0.0000	OK
2160 minute winter	SW25	1020	12.670	0.013	0.2	0.0035	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	SW1	1.000	SW2	0.1	0.300	0.008	0.0148	
2160 minute winter	SW2	1.001	SW3	0.1	0.313	0.008	0.0063	
2160 minute winter	SW3	1.002	SW4	0.1	0.286	0.007	0.0089	
2160 minute winter	SW4	1.008	SW12	0.2	0.345	0.012	0.0227	
2160 minute winter	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
2160 minute winter	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
2160 minute winter	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
2160 minute winter	SW8	Flow through Pond	SW9	0.1	0.002	0.000	4.1131	
2160 minute winter	SW9	1.007	SW4	0.1	0.205	0.014	0.0006	
2160 minute winter	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
2160 minute winter	SW11	Flow through Pond	SW9	0.1	0.002	0.000	4.1131	
2160 minute winter	SW12	1.009	SW13	0.2	0.282	0.012	0.0191	
2160 minute winter	SW13	1.010	SW21	0.5	0.388	0.009	0.0085	
2160 minute winter	SW14	2.000	SW15	0.1	0.270	0.014	0.0069	
2160 minute winter	SW15	2.001	SW16	0.1	0.270	0.014	0.0021	
2160 minute winter	SW16	2.002	SW17	0.1	0.257	0.014	0.0046	
2160 minute winter	SW17	2.003	SW19	0.2	0.355	0.007	0.0029	
2160 minute winter	SW18	3.000	SW17	0.1	0.328	0.004	0.0003	
2160 minute winter	SW19	2.004	SW13	0.2	0.449	0.010	0.0028	
2160 minute winter	SW20	4.000	SW19	0.1	0.208	0.013	0.0006	
2160 minute winter	SW21	1.011	SW23	0.5	0.367	0.010	0.0751	
2160 minute winter	SW22	5.000	SW21	0.1	0.175	0.008	0.0077	
2160 minute winter	SW23	6.010	SW40	0.9	0.538	0.016	0.0143	
2160 minute winter	SW24	6.000	SW25	0.2	0.355	0.033	0.0103	
2160 minute winter	SW25	6.001	SW26	0.2	0.355	0.033	0.0122	

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Results for 2 year +45% CC 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	SW26	1020	12.452	0.012	0.2	0.0000	0.0000	OK
2160 minute winter	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	SW28	1020	12.392	0.014	0.3	0.0121	0.0000	OK
2160 minute winter	SW29	900	12.839	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	SW30	1020	12.356	0.014	0.3	0.0120	0.0000	OK
2160 minute winter	SW31	1560	11.908	0.250	0.3	0.0000	0.0000	OK
2160 minute winter	SW32	1560	11.908	0.254	0.2	0.0719	0.0000	SURCHARGED
2160 minute winter	SW33	1560	11.579	0.010	0.2	0.0090	0.0000	OK
2160 minute winter	SW34	2100	13.519	0.169	0.4	16.0232	0.0000	SURCHARGED
2160 minute winter	SW35	1560	11.429	0.010	0.2	0.0030	0.0000	OK
2160 minute winter	SW36	1560	11.356	0.010	0.2	0.0029	0.0000	OK
2160 minute winter	SW37	1560	11.198	0.014	0.3	0.0118	0.0000	OK
2160 minute winter	SW38	1500	12.873	0.203	0.3	8.9781	0.0000	SURCHARGED
2160 minute winter	SW39	1740	12.508	0.208	0.3	8.0082	0.0000	SURCHARGED
2160 minute winter	SW40	1560	10.239	0.001	1.1	0.0005	0.0000	OK
2160 minute winter	SW41	1740	12.381	0.161	0.3	7.6697	0.0000	SURCHARGED
2160 minute winter	SW42	900	12.828	0.008	0.1	0.0000	0.0000	OK
2160 minute winter	SW43	900	12.309	0.009	0.1	0.0026	0.0000	OK
2160 minute winter	SW44	900	12.219	0.009	0.1	0.0026	0.0000	OK
2160 minute winter	SW45	900	12.168	0.009	0.1	0.0026	0.0000	OK
2160 minute winter	SW46	900	12.046	0.008	0.1	0.0022	0.0000	OK
2160 minute winter	SW47	1020	11.158	0.013	0.2	0.0035	0.0000	OK
2160 minute winter	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	SW49	60	11.900	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	SW50	60	11.801	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	SW26	6.002	SW28	0.2	0.328	0.033	0.0038	
2160 minute winter	SW27	7.000	SW26	0.0	0.000	0.000	0.0011	
2160 minute winter	SW28	6.003	SW30	0.3	0.370	0.017	0.0029	
2160 minute winter	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
2160 minute winter	SW30	6.004	SW31	0.3	0.376	0.017	0.0031	
2160 minute winter	SW31	Flow through Pond	SW32	0.2	0.001	0.000	8.1383	
2160 minute winter	SW32	6.005	SW33	0.1	0.269	0.014	0.0011	
2160 minute winter	SW33	6.006	SW35	0.2	0.314	0.009	0.0079	
2160 minute winter	SW34	9.000	SW33	0.1	0.341	0.010	0.0004	
2160 minute winter	SW35	6.007	SW36	0.2	0.314	0.009	0.0039	
2160 minute winter	SW36	6.008	SW37	0.2	0.255	0.009	0.0106	
2160 minute winter	SW37	6.009	SW23	0.3	0.277	0.017	0.0191	
2160 minute winter	SW38	10.000	SW37	0.1	0.390	0.015	0.0005	
2160 minute winter	SW39	11.000	SW23	0.1	0.330	0.009	0.0003	
2160 minute winter	SW40	Pump		1.1				96.0
2160 minute winter	SW41	12.000	SW40	0.1	0.339	0.010	0.0005	
2160 minute winter	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
2160 minute winter	SW43	13.001	SW44	0.1	0.286	0.017	0.0032	
2160 minute winter	SW44	13.002	SW45	0.1	0.281	0.017	0.0018	
2160 minute winter	SW45	13.003	SW46	0.1	0.310	0.017	0.0039	
2160 minute winter	SW46	13.004	SW47	0.1	0.349	0.012	0.0040	
2160 minute winter	SW47	17.000	SW55	0.2	0.350	0.033	0.0085	
2160 minute winter	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
2160 minute winter	SW49	15.000	SW50	0.0	0.000	0.000	0.0000	
2160 minute winter	SW50	15.001	SW51	0.0	0.000	0.000	0.0000	

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Results for 2 year +45% CC 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	SW51	60	11.672	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	SW52	1020	11.209	0.009	0.1	0.0026	0.0000	OK
2160 minute winter	SW53	1020	11.909	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	SW54	1020	11.280	0.009	0.1	0.0026	0.0000	OK
2160 minute winter	SW55	1020	11.010	0.013	0.2	0.0009	0.0000	OK
2160 minute winter	SW56	1440	10.411	0.117	0.2	0.0000	0.0000	OK
2160 minute winter	SW57	1440	10.411	0.127	0.1	0.0360	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	SW51	15.002	SW52	0.0	0.000	0.000	0.0043	
2160 minute winter	SW52	15.003	SW47	0.1	0.222	0.017	0.0025	
2160 minute winter	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
2160 minute winter	SW54	16.001	SW52	0.1	0.287	0.017	0.0025	
2160 minute winter	SW55	17.001	SW56	0.2	0.353	0.033	0.0007	
2160 minute winter	SW56	Flow through Pond	SW57	0.1	0.004	0.000	4.1852	
2160 minute winter	SW57	17.002	SW40	0.1	0.478	0.010	0.0007	

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Results for 2 year +45% CC 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	SW1	2340	13.130	0.240	1.2	38.4376	0.0000	SURCHARGED
2880 minute summer	SW2	2340	12.592	0.010	0.1	0.0028	0.0000	OK
2880 minute summer	SW3	2340	12.453	0.009	0.1	0.0026	0.0000	OK
2880 minute summer	SW4	1800	12.241	0.012	0.2	0.0000	0.0000	OK
2880 minute summer	SW5	1260	13.109	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	SW6	1260	13.041	0.009	0.1	0.0014	0.0000	OK
2880 minute summer	SW7	1260	12.952	0.009	0.1	0.0007	0.0000	OK
2880 minute summer	SW8	1740	12.446	0.191	0.1	0.0000	0.0000	OK
2880 minute summer	SW9	1740	12.446	0.203	0.1	0.0575	0.0000	SURCHARGED
2880 minute summer	SW10	1380	13.126	0.006	0.1	0.0000	0.0000	OK
2880 minute summer	SW11	1740	12.446	0.191	0.1	0.0000	0.0000	OK
2880 minute summer	SW12	1800	11.885	0.012	0.2	0.0033	0.0000	OK
2880 minute summer	SW13	1920	11.644	0.015	0.4	0.0131	0.0000	OK
2880 minute summer	SW14	1980	13.266	0.146	0.2	5.0151	0.0000	SURCHARGED
2880 minute summer	SW15	1980	12.900	0.008	0.1	0.0023	0.0000	OK
2880 minute summer	SW16	1980	12.830	0.008	0.1	0.0023	0.0000	OK
2880 minute summer	SW17	1980	12.686	0.009	0.2	0.0076	0.0000	OK
2880 minute summer	SW18	2880	13.063	0.193	1.1	40.1440	0.0000	SURCHARGED
2880 minute summer	SW19	1980	12.564	0.011	0.2	0.0030	0.0000	OK
2880 minute summer	SW20	1920	12.703	0.133	0.2	4.8643	0.0000	SURCHARGED
2880 minute summer	SW21	1920	11.574	0.016	0.5	0.0045	0.0000	OK
2880 minute summer	SW22	2160	12.111	0.151	0.3	8.8820	0.0000	SURCHARGED
2880 minute summer	SW23	1920	11.029	0.020	0.9	0.0056	0.0000	OK
2880 minute summer	SW24	1440	12.853	0.013	0.2	0.0000	0.0000	OK
2880 minute summer	SW25	1440	12.670	0.013	0.2	0.0035	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	SW1	1.000	SW2	0.1	0.300	0.008	0.0148	
2880 minute summer	SW2	1.001	SW3	0.1	0.313	0.008	0.0064	
2880 minute summer	SW3	1.002	SW4	0.1	0.300	0.007	0.0088	
2880 minute summer	SW4	1.008	SW12	0.2	0.342	0.012	0.0222	
2880 minute summer	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
2880 minute summer	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
2880 minute summer	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
2880 minute summer	SW8	Flow through Pond	SW9	0.1	0.002	0.000	3.3740	
2880 minute summer	SW9	1.007	SW4	0.1	0.193	0.012	0.0005	
2880 minute summer	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
2880 minute summer	SW11	Flow through Pond	SW9	0.1	0.002	0.000	3.3740	
2880 minute summer	SW12	1.009	SW13	0.2	0.280	0.012	0.0188	
2880 minute summer	SW13	1.010	SW21	0.4	0.385	0.009	0.0083	
2880 minute summer	SW14	2.000	SW15	0.1	0.266	0.013	0.0067	
2880 minute summer	SW15	2.001	SW16	0.1	0.266	0.013	0.0020	
2880 minute summer	SW16	2.002	SW17	0.1	0.250	0.013	0.0045	
2880 minute summer	SW17	2.003	SW19	0.2	0.352	0.006	0.0028	
2880 minute summer	SW18	3.000	SW17	0.1	0.327	0.004	0.0003	
2880 minute summer	SW19	2.004	SW13	0.2	0.445	0.009	0.0028	
2880 minute summer	SW20	4.000	SW19	0.1	0.207	0.012	0.0006	
2880 minute summer	SW21	1.011	SW23	0.5	0.362	0.010	0.0736	
2880 minute summer	SW22	5.000	SW21	0.1	0.170	0.008	0.0075	
2880 minute summer	SW23	6.010	SW40	0.9	0.534	0.015	0.0140	
2880 minute summer	SW24	6.000	SW25	0.2	0.355	0.033	0.0103	
2880 minute summer	SW25	6.001	SW26	0.2	0.355	0.033	0.0122	

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Results for 2 year +45% CC 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	SW26	1440	12.452	0.012	0.2	0.0000	0.0000	OK
2880 minute summer	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	SW28	1440	12.392	0.014	0.3	0.0121	0.0000	OK
2880 minute summer	SW29	1320	12.839	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	SW30	1440	12.356	0.014	0.3	0.0120	0.0000	OK
2880 minute summer	SW31	1920	11.871	0.213	0.3	0.0000	0.0000	OK
2880 minute summer	SW32	1920	11.871	0.217	0.2	0.0613	0.0000	SURCHARGED
2880 minute summer	SW33	1920	11.579	0.010	0.2	0.0089	0.0000	OK
2880 minute summer	SW34	2640	13.526	0.176	0.5	16.7007	0.0000	SURCHARGED
2880 minute summer	SW35	1920	11.429	0.010	0.2	0.0029	0.0000	OK
2880 minute summer	SW36	1920	11.356	0.010	0.2	0.0029	0.0000	OK
2880 minute summer	SW37	1920	11.197	0.013	0.3	0.0117	0.0000	OK
2880 minute summer	SW38	1860	12.871	0.201	0.4	8.8926	0.0000	SURCHARGED
2880 minute summer	SW39	2100	12.509	0.209	0.3	8.0151	0.0000	SURCHARGED
2880 minute summer	SW40	1920	10.239	0.001	1.0	0.0004	0.0000	OK
2880 minute summer	SW41	2100	12.381	0.161	0.3	7.6768	0.0000	SURCHARGED
2880 minute summer	SW42	1320	12.828	0.008	0.1	0.0000	0.0000	OK
2880 minute summer	SW43	1440	12.309	0.009	0.1	0.0026	0.0000	OK
2880 minute summer	SW44	1320	12.219	0.009	0.1	0.0026	0.0000	OK
2880 minute summer	SW45	1500	12.172	0.013	0.2	0.0036	0.0000	OK
2880 minute summer	SW46	1500	12.049	0.011	0.2	0.0031	0.0000	OK
2880 minute summer	SW47	1500	11.163	0.018	0.4	0.0050	0.0000	OK
2880 minute summer	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	SW49	1500	11.909	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	SW50	1500	11.810	0.009	0.1	0.0015	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	SW26	6.002	SW28	0.2	0.328	0.033	0.0038	
2880 minute summer	SW27	7.000	SW26	0.0	0.000	0.000	0.0011	
2880 minute summer	SW28	6.003	SW30	0.3	0.370	0.017	0.0029	
2880 minute summer	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
2880 minute summer	SW30	6.004	SW31	0.3	0.376	0.017	0.0031	
2880 minute summer	SW31	Flow through Pond	SW32	0.2	0.001	0.000	6.9352	
2880 minute summer	SW32	6.005	SW33	0.1	0.263	0.013	0.0010	
2880 minute summer	SW33	6.006	SW35	0.2	0.311	0.009	0.0078	
2880 minute summer	SW34	9.000	SW33	0.1	0.343	0.010	0.0004	
2880 minute summer	SW35	6.007	SW36	0.2	0.311	0.009	0.0038	
2880 minute summer	SW36	6.008	SW37	0.2	0.251	0.009	0.0104	
2880 minute summer	SW37	6.009	SW23	0.3	0.276	0.016	0.0188	
2880 minute summer	SW38	10.000	SW37	0.1	0.389	0.015	0.0005	
2880 minute summer	SW39	11.000	SW23	0.1	0.330	0.009	0.0003	
2880 minute summer	SW40	Pump		1.0				111.5
2880 minute summer	SW41	12.000	SW40	0.1	0.339	0.010	0.0005	
2880 minute summer	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
2880 minute summer	SW43	13.001	SW44	0.1	0.287	0.017	0.0032	
2880 minute summer	SW44	13.002	SW45	0.1	0.281	0.017	0.0024	
2880 minute summer	SW45	13.003	SW46	0.2	0.380	0.033	0.0064	
2880 minute summer	SW46	13.004	SW47	0.2	0.431	0.025	0.0065	
2880 minute summer	SW47	17.000	SW55	0.4	0.427	0.066	0.0139	
2880 minute summer	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
2880 minute summer	SW49	15.000	SW50	0.1	0.282	0.017	0.0035	
2880 minute summer	SW50	15.001	SW51	0.1	0.314	0.017	0.0041	

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Results for 2 year +45% CC 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	SW51	1500	11.680	0.008	0.1	0.0012	0.0000	OK
2880 minute summer	SW52	1500	11.213	0.013	0.2	0.0035	0.0000	OK
2880 minute summer	SW53	1440	11.909	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	SW54	1440	11.280	0.009	0.1	0.0026	0.0000	OK
2880 minute summer	SW55	1500	11.015	0.018	0.4	0.0013	0.0000	OK
2880 minute summer	SW56	1740	10.419	0.125	0.4	0.0000	0.0000	OK
2880 minute summer	SW57	1740	10.419	0.135	0.2	0.0383	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	SW51	15.002	SW52	0.1	0.242	0.012	0.0104	
2880 minute summer	SW52	15.003	SW47	0.2	0.272	0.033	0.0041	
2880 minute summer	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
2880 minute summer	SW54	16.001	SW52	0.1	0.286	0.017	0.0032	
2880 minute summer	SW55	17.001	SW56	0.4	0.431	0.066	0.0012	
2880 minute summer	SW56	Flow through Pond	SW57	0.2	0.004	0.000	4.4572	
2880 minute summer	SW57	17.002	SW40	0.1	0.484	0.010	0.0008	

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Results for 2 year +45% CC 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	SW1	2340	13.122	0.232	0.8	37.0075	0.0000	SURCHARGED
2880 minute winter	SW2	2340	12.592	0.010	0.1	0.0028	0.0000	OK
2880 minute winter	SW3	2340	12.453	0.009	0.1	0.0026	0.0000	OK
2880 minute winter	SW4	1920	12.241	0.012	0.2	0.0000	0.0000	OK
2880 minute winter	SW5	1140	13.109	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	SW6	1140	13.041	0.009	0.1	0.0014	0.0000	OK
2880 minute winter	SW7	1140	12.952	0.009	0.1	0.0007	0.0000	OK
2880 minute winter	SW8	1860	12.472	0.217	0.1	0.0000	0.0000	OK
2880 minute winter	SW9	1860	12.472	0.229	0.1	0.0647	0.0000	SURCHARGED
2880 minute winter	SW10	1380	13.126	0.006	0.1	0.0000	0.0000	OK
2880 minute winter	SW11	1860	12.472	0.217	0.1	0.0000	0.0000	OK
2880 minute winter	SW12	1920	11.885	0.012	0.2	0.0033	0.0000	OK
2880 minute winter	SW13	2040	11.644	0.015	0.4	0.0130	0.0000	OK
2880 minute winter	SW14	2100	13.263	0.143	0.2	4.9030	0.0000	SURCHARGED
2880 minute winter	SW15	2100	12.900	0.008	0.1	0.0023	0.0000	OK
2880 minute winter	SW16	2100	12.830	0.008	0.1	0.0023	0.0000	OK
2880 minute winter	SW17	2100	12.686	0.009	0.2	0.0075	0.0000	OK
2880 minute winter	SW18	2820	13.062	0.192	0.7	39.9490	0.0000	SURCHARGED
2880 minute winter	SW19	2100	12.563	0.010	0.2	0.0030	0.0000	OK
2880 minute winter	SW20	2040	12.687	0.117	0.2	4.2513	0.0000	SURCHARGED
2880 minute winter	SW21	2040	11.574	0.016	0.5	0.0044	0.0000	OK
2880 minute winter	SW22	2220	12.105	0.145	0.2	8.5274	0.0000	SURCHARGED
2880 minute winter	SW23	2040	11.029	0.020	0.9	0.0056	0.0000	OK
2880 minute winter	SW24	1800	12.849	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	SW25	1200	12.666	0.009	0.1	0.0026	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	SW1	1.000	SW2	0.1	0.298	0.008	0.0146	
2880 minute winter	SW2	1.001	SW3	0.1	0.311	0.008	0.0063	
2880 minute winter	SW3	1.002	SW4	0.1	0.291	0.007	0.0088	
2880 minute winter	SW4	1.008	SW12	0.2	0.343	0.012	0.0224	
2880 minute winter	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
2880 minute winter	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
2880 minute winter	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
2880 minute winter	SW8	Flow through Pond	SW9	0.1	0.002	0.000	3.8070	
2880 minute winter	SW9	1.007	SW4	0.1	0.201	0.013	0.0006	
2880 minute winter	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
2880 minute winter	SW11	Flow through Pond	SW9	0.1	0.002	0.000	3.8070	
2880 minute winter	SW12	1.009	SW13	0.2	0.283	0.012	0.0188	
2880 minute winter	SW13	1.010	SW21	0.4	0.384	0.009	0.0082	
2880 minute winter	SW14	2.000	SW15	0.1	0.265	0.013	0.0066	
2880 minute winter	SW15	2.001	SW16	0.1	0.265	0.013	0.0020	
2880 minute winter	SW16	2.002	SW17	0.1	0.249	0.013	0.0045	
2880 minute winter	SW17	2.003	SW19	0.2	0.354	0.006	0.0028	
2880 minute winter	SW18	3.000	SW17	0.1	0.327	0.004	0.0003	
2880 minute winter	SW19	2.004	SW13	0.2	0.442	0.009	0.0027	
2880 minute winter	SW20	4.000	SW19	0.1	0.199	0.011	0.0006	
2880 minute winter	SW21	1.011	SW23	0.5	0.361	0.010	0.0733	
2880 minute winter	SW22	5.000	SW21	0.1	0.168	0.008	0.0075	
2880 minute winter	SW23	6.010	SW40	0.9	0.533	0.015	0.0140	
2880 minute winter	SW24	6.000	SW25	0.1	0.289	0.017	0.0063	
2880 minute winter	SW25	6.001	SW26	0.1	0.289	0.017	0.0076	

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Results for 2 year +45% CC 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	SW26	960	12.449	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	SW28	1260	12.389	0.011	0.2	0.0099	0.0000	OK
2880 minute winter	SW29	1260	12.839	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	SW30	1260	12.353	0.011	0.2	0.0099	0.0000	OK
2880 minute winter	SW31	2040	11.868	0.210	0.2	0.0000	0.0000	OK
2880 minute winter	SW32	2040	11.868	0.214	0.1	0.0605	0.0000	SURCHARGED
2880 minute winter	SW33	2040	11.579	0.010	0.2	0.0089	0.0000	OK
2880 minute winter	SW34	2700	13.528	0.178	0.4	16.8918	0.0000	SURCHARGED
2880 minute winter	SW35	2040	11.429	0.010	0.2	0.0029	0.0000	OK
2880 minute winter	SW36	2040	11.356	0.010	0.2	0.0029	0.0000	OK
2880 minute winter	SW37	2040	11.197	0.013	0.3	0.0117	0.0000	OK
2880 minute winter	SW38	1920	12.875	0.205	0.3	9.0954	0.0000	SURCHARGED
2880 minute winter	SW39	2160	12.500	0.200	0.2	7.6753	0.0000	SURCHARGED
2880 minute winter	SW40	2040	10.239	0.001	1.0	0.0004	0.0000	OK
2880 minute winter	SW41	2160	12.373	0.153	0.2	7.3163	0.0000	SURCHARGED
2880 minute winter	SW42	1260	12.828	0.008	0.1	0.0000	0.0000	OK
2880 minute winter	SW43	1260	12.309	0.009	0.1	0.0026	0.0000	OK
2880 minute winter	SW44	1260	12.219	0.009	0.1	0.0026	0.0000	OK
2880 minute winter	SW45	1260	12.168	0.009	0.1	0.0026	0.0000	OK
2880 minute winter	SW46	1260	12.046	0.008	0.1	0.0022	0.0000	OK
2880 minute winter	SW47	1260	11.154	0.009	0.1	0.0026	0.0000	OK
2880 minute winter	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	SW49	60	11.900	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	SW50	60	11.801	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	SW26	6.002	SW28	0.1	0.304	0.017	0.0026	
2880 minute winter	SW27	7.000	SW26	0.0	0.000	0.000	0.0007	
2880 minute winter	SW28	6.003	SW30	0.2	0.328	0.011	0.0022	
2880 minute winter	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
2880 minute winter	SW30	6.004	SW31	0.2	0.332	0.011	0.0023	
2880 minute winter	SW31	Flow through Pond	SW32	0.1	0.001	0.000	6.8442	
2880 minute winter	SW32	6.005	SW33	0.1	0.262	0.013	0.0010	
2880 minute winter	SW33	6.006	SW35	0.2	0.311	0.009	0.0078	
2880 minute winter	SW34	9.000	SW33	0.1	0.343	0.010	0.0004	
2880 minute winter	SW35	6.007	SW36	0.2	0.311	0.009	0.0038	
2880 minute winter	SW36	6.008	SW37	0.2	0.251	0.009	0.0104	
2880 minute winter	SW37	6.009	SW23	0.3	0.277	0.016	0.0188	
2880 minute winter	SW38	10.000	SW37	0.1	0.390	0.016	0.0005	
2880 minute winter	SW39	11.000	SW23	0.1	0.328	0.009	0.0003	
2880 minute winter	SW40	Pump		1.0				113.9
2880 minute winter	SW41	12.000	SW40	0.1	0.336	0.009	0.0005	
2880 minute winter	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
2880 minute winter	SW43	13.001	SW44	0.1	0.286	0.017	0.0032	
2880 minute winter	SW44	13.002	SW45	0.1	0.281	0.017	0.0018	
2880 minute winter	SW45	13.003	SW46	0.1	0.310	0.017	0.0039	
2880 minute winter	SW46	13.004	SW47	0.1	0.349	0.012	0.0040	
2880 minute winter	SW47	17.000	SW55	0.1	0.286	0.017	0.0052	
2880 minute winter	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
2880 minute winter	SW49	15.000	SW50	0.0	0.000	0.000	0.0000	
2880 minute winter	SW50	15.001	SW51	0.0	0.000	0.000	0.0000	

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Results for 2 year +45% CC 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	SW51	60	11.672	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	SW52	60	11.200	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	SW53	60	11.900	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	SW54	60	11.271	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	SW55	1260	11.006	0.009	0.1	0.0006	0.0000	OK
2880 minute winter	SW56	1800	10.358	0.065	0.1	0.0000	0.0000	OK
2880 minute winter	SW57	1800	10.359	0.075	0.1	0.0212	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	SW51	15.002	SW52	0.0	0.000	0.000	0.0000	
2880 minute winter	SW52	15.003	SW47	0.0	0.000	0.000	0.0010	
2880 minute winter	SW53	16.000	SW54	0.0	0.000	0.000	0.0000	
2880 minute winter	SW54	16.001	SW52	0.0	0.000	0.000	0.0000	
2880 minute winter	SW55	17.001	SW56	0.1	0.288	0.017	0.0004	
2880 minute winter	SW56	Flow through Pond	SW57	0.1	0.004	0.000	2.3870	
2880 minute winter	SW57	17.002	SW40	0.0	0.435	0.007	0.0006	

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Results for 2 year +45% CC 4320 minute summer. 4560 minute analysis at 60 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	SW1	3120	13.140	0.250	0.9	39.9453	0.0000	SURCHARGED
4320 minute summer	SW2	3120	12.592	0.010	0.1	0.0028	0.0000	OK
4320 minute summer	SW3	3120	12.453	0.009	0.1	0.0026	0.0000	OK
4320 minute summer	SW4	2580	12.241	0.012	0.2	0.0000	0.0000	OK
4320 minute summer	SW5	1920	13.109	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	SW6	1920	13.041	0.009	0.1	0.0014	0.0000	OK
4320 minute summer	SW7	1920	12.952	0.009	0.1	0.0007	0.0000	OK
4320 minute summer	SW8	2520	12.460	0.205	0.1	0.0000	0.0000	OK
4320 minute summer	SW9	2520	12.460	0.217	0.1	0.0613	0.0000	SURCHARGED
4320 minute summer	SW10	2100	13.126	0.006	0.1	0.0000	0.0000	OK
4320 minute summer	SW11	2520	12.460	0.205	0.1	0.0000	0.0000	OK
4320 minute summer	SW12	2580	11.885	0.012	0.2	0.0033	0.0000	OK
4320 minute summer	SW13	2760	11.644	0.015	0.5	0.0132	0.0000	OK
4320 minute summer	SW14	2820	13.278	0.158	0.2	5.4291	0.0000	SURCHARGED
4320 minute summer	SW15	2820	12.900	0.008	0.1	0.0023	0.0000	OK
4320 minute summer	SW16	2820	12.830	0.008	0.1	0.0023	0.0000	OK
4320 minute summer	SW17	2820	12.686	0.009	0.2	0.0077	0.0000	OK
4320 minute summer	SW18	4320	13.081	0.211	0.9	44.0985	0.0000	SURCHARGED
4320 minute summer	SW19	2820	12.564	0.011	0.2	0.0030	0.0000	OK
4320 minute summer	SW20	2760	12.701	0.131	0.2	4.7874	0.0000	SURCHARGED
4320 minute summer	SW21	2760	11.574	0.016	0.5	0.0045	0.0000	OK
4320 minute summer	SW22	3000	12.109	0.149	0.3	8.7654	0.0000	SURCHARGED
4320 minute summer	SW23	2760	11.029	0.020	0.9	0.0057	0.0000	OK
4320 minute summer	SW24	2160	12.853	0.013	0.2	0.0000	0.0000	OK
4320 minute summer	SW25	2160	12.670	0.013	0.2	0.0035	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	SW1	1.000	SW2	0.1	0.302	0.008	0.0150	
4320 minute summer	SW2	1.001	SW3	0.1	0.315	0.008	0.0064	
4320 minute summer	SW3	1.002	SW4	0.1	0.313	0.007	0.0089	
4320 minute summer	SW4	1.008	SW12	0.2	0.344	0.012	0.0225	
4320 minute summer	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
4320 minute summer	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
4320 minute summer	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
4320 minute summer	SW8	Flow through Pond	SW9	0.1	0.002	0.000	3.6008	
4320 minute summer	SW9	1.007	SW4	0.1	0.196	0.013	0.0006	
4320 minute summer	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
4320 minute summer	SW11	Flow through Pond	SW9	0.1	0.002	0.000	3.6008	
4320 minute summer	SW12	1.009	SW13	0.2	0.281	0.012	0.0190	
4320 minute summer	SW13	1.010	SW21	0.5	0.388	0.009	0.0084	
4320 minute summer	SW14	2.000	SW15	0.1	0.269	0.013	0.0068	
4320 minute summer	SW15	2.001	SW16	0.1	0.269	0.013	0.0021	
4320 minute summer	SW16	2.002	SW17	0.1	0.253	0.013	0.0046	
4320 minute summer	SW17	2.003	SW19	0.2	0.360	0.007	0.0029	
4320 minute summer	SW18	3.000	SW17	0.1	0.331	0.004	0.0003	
4320 minute summer	SW19	2.004	SW13	0.2	0.450	0.010	0.0028	
4320 minute summer	SW20	4.000	SW19	0.1	0.203	0.012	0.0006	
4320 minute summer	SW21	1.011	SW23	0.5	0.365	0.010	0.0746	
4320 minute summer	SW22	5.000	SW21	0.1	0.168	0.008	0.0076	
4320 minute summer	SW23	6.010	SW40	0.9	0.537	0.016	0.0142	
4320 minute summer	SW24	6.000	SW25	0.2	0.355	0.033	0.0103	
4320 minute summer	SW25	6.001	SW26	0.2	0.355	0.033	0.0122	

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Results for 2 year +45% CC 4320 minute summer. 4560 minute analysis at 60 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	SW26	2160	12.452	0.012	0.2	0.0000	0.0000	OK
4320 minute summer	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	SW28	2160	12.392	0.014	0.3	0.0121	0.0000	OK
4320 minute summer	SW29	2040	12.839	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	SW30	2160	12.356	0.014	0.3	0.0120	0.0000	OK
4320 minute summer	SW31	2760	11.886	0.228	0.3	0.0000	0.0000	OK
4320 minute summer	SW32	2760	11.886	0.232	0.2	0.0657	0.0000	SURCHARGED
4320 minute summer	SW33	2760	11.579	0.010	0.2	0.0090	0.0000	OK
4320 minute summer	SW34	3420	13.528	0.178	0.4	16.9011	0.0000	SURCHARGED
4320 minute summer	SW35	2760	11.429	0.010	0.2	0.0030	0.0000	OK
4320 minute summer	SW36	2760	11.356	0.010	0.2	0.0029	0.0000	OK
4320 minute summer	SW37	2700	11.198	0.014	0.3	0.0117	0.0000	OK
4320 minute summer	SW38	2640	12.870	0.200	0.3	8.8561	0.0000	SURCHARGED
4320 minute summer	SW39	2940	12.521	0.221	0.3	8.4966	0.0000	SURCHARGED
4320 minute summer	SW40	2700	10.239	0.001	1.0	0.0005	0.0000	OK
4320 minute summer	SW41	2940	12.389	0.169	0.3	8.0874	0.0000	SURCHARGED
4320 minute summer	SW42	2040	12.828	0.008	0.1	0.0000	0.0000	OK
4320 minute summer	SW43	2040	12.309	0.009	0.1	0.0026	0.0000	OK
4320 minute summer	SW44	2040	12.219	0.009	0.1	0.0026	0.0000	OK
4320 minute summer	SW45	2040	12.168	0.009	0.1	0.0026	0.0000	OK
4320 minute summer	SW46	2040	12.046	0.008	0.1	0.0022	0.0000	OK
4320 minute summer	SW47	2160	11.158	0.013	0.2	0.0035	0.0000	OK
4320 minute summer	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	SW49	60	11.900	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	SW50	60	11.801	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	SW26	6.002	SW28	0.2	0.328	0.033	0.0038	
4320 minute summer	SW27	7.000	SW26	0.0	0.000	0.000	0.0011	
4320 minute summer	SW28	6.003	SW30	0.3	0.370	0.017	0.0029	
4320 minute summer	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
4320 minute summer	SW30	6.004	SW31	0.3	0.376	0.017	0.0031	
4320 minute summer	SW31	Flow through Pond	SW32	0.2	0.001	0.000	7.4351	
4320 minute summer	SW32	6.005	SW33	0.1	0.265	0.013	0.0011	
4320 minute summer	SW33	6.006	SW35	0.2	0.313	0.009	0.0079	
4320 minute summer	SW34	9.000	SW33	0.1	0.343	0.010	0.0004	
4320 minute summer	SW35	6.007	SW36	0.2	0.313	0.009	0.0038	
4320 minute summer	SW36	6.008	SW37	0.2	0.254	0.009	0.0105	
4320 minute summer	SW37	6.009	SW23	0.3	0.276	0.017	0.0190	
4320 minute summer	SW38	10.000	SW37	0.1	0.389	0.015	0.0005	
4320 minute summer	SW39	11.000	SW23	0.1	0.333	0.009	0.0003	
4320 minute summer	SW40	Pump		1.0				148.9
4320 minute summer	SW41	12.000	SW40	0.1	0.341	0.010	0.0005	
4320 minute summer	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
4320 minute summer	SW43	13.001	SW44	0.1	0.286	0.017	0.0032	
4320 minute summer	SW44	13.002	SW45	0.1	0.281	0.017	0.0018	
4320 minute summer	SW45	13.003	SW46	0.1	0.310	0.017	0.0039	
4320 minute summer	SW46	13.004	SW47	0.1	0.349	0.012	0.0040	
4320 minute summer	SW47	17.000	SW55	0.2	0.350	0.033	0.0085	
4320 minute summer	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
4320 minute summer	SW49	15.000	SW50	0.0	0.000	0.000	0.0000	
4320 minute summer	SW50	15.001	SW51	0.0	0.000	0.000	0.0000	

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Results for 2 year +45% CC 4320 minute summer. 4560 minute analysis at 60 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	SW51	60	11.672	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	SW52	2160	11.209	0.009	0.1	0.0026	0.0000	OK
4320 minute summer	SW53	2160	11.909	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	SW54	2160	11.280	0.009	0.1	0.0026	0.0000	OK
4320 minute summer	SW55	2160	11.010	0.013	0.2	0.0009	0.0000	OK
4320 minute summer	SW56	2460	10.382	0.089	0.2	0.0000	0.0000	OK
4320 minute summer	SW57	2460	10.383	0.099	0.1	0.0279	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	SW51	15.002	SW52	0.0	0.000	0.000	0.0043	
4320 minute summer	SW52	15.003	SW47	0.1	0.222	0.017	0.0025	
4320 minute summer	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
4320 minute summer	SW54	16.001	SW52	0.1	0.287	0.017	0.0025	
4320 minute summer	SW55	17.001	SW56	0.2	0.353	0.033	0.0007	
4320 minute summer	SW56	Flow through Pond	SW57	0.1	0.004	0.000	3.2001	
4320 minute summer	SW57	17.002	SW40	0.1	0.458	0.008	0.0007	

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Results for 2 year +45% CC 4320 minute winter. 4560 minute analysis at 60 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute winter	SW1	3300	13.138	0.248	0.6	39.7544	0.0000	SURCHARGED
4320 minute winter	SW2	3300	12.592	0.010	0.1	0.0028	0.0000	OK
4320 minute winter	SW3	3300	12.453	0.009	0.1	0.0026	0.0000	OK
4320 minute winter	SW4	2640	12.240	0.011	0.2	0.0000	0.0000	OK
4320 minute winter	SW5	1860	13.109	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	SW6	1860	13.041	0.009	0.1	0.0014	0.0000	OK
4320 minute winter	SW7	1860	12.952	0.009	0.1	0.0007	0.0000	OK
4320 minute winter	SW8	2580	12.386	0.131	0.1	0.0000	0.0000	OK
4320 minute winter	SW9	2580	12.386	0.143	0.1	0.0405	0.0000	SURCHARGED
4320 minute winter	SW10	60	13.120	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	SW11	2580	12.386	0.131	0.0	0.0000	0.0000	OK
4320 minute winter	SW12	2640	11.884	0.011	0.2	0.0032	0.0000	OK
4320 minute winter	SW13	2940	11.644	0.015	0.4	0.0128	0.0000	OK
4320 minute winter	SW14	3000	13.252	0.132	0.1	4.5067	0.0000	SURCHARGED
4320 minute winter	SW15	3000	12.900	0.008	0.1	0.0022	0.0000	OK
4320 minute winter	SW16	3000	12.830	0.008	0.1	0.0022	0.0000	OK
4320 minute winter	SW17	3000	12.686	0.009	0.2	0.0076	0.0000	OK
4320 minute winter	SW18	4200	13.079	0.209	0.6	43.6922	0.0000	SURCHARGED
4320 minute winter	SW19	3000	12.564	0.011	0.2	0.0030	0.0000	OK
4320 minute winter	SW20	2940	12.692	0.122	0.1	4.4239	0.0000	SURCHARGED
4320 minute winter	SW21	2940	11.574	0.016	0.5	0.0044	0.0000	OK
4320 minute winter	SW22	3180	12.110	0.150	0.2	8.8553	0.0000	SURCHARGED
4320 minute winter	SW23	2940	11.028	0.019	0.9	0.0055	0.0000	OK
4320 minute winter	SW24	2400	12.849	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	SW25	2040	12.666	0.009	0.1	0.0026	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	SW1	1.000	SW2	0.1	0.302	0.008	0.0150	
4320 minute winter	SW2	1.001	SW3	0.1	0.315	0.008	0.0064	
4320 minute winter	SW3	1.002	SW4	0.1	0.314	0.007	0.0085	
4320 minute winter	SW4	1.008	SW12	0.2	0.334	0.011	0.0212	
4320 minute winter	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
4320 minute winter	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
4320 minute winter	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
4320 minute winter	SW8	Flow through Pond	SW9	0.1	0.002	0.000	2.3445	
4320 minute winter	SW9	1.007	SW4	0.1	0.174	0.010	0.0005	
4320 minute winter	SW10	1.006	SW11	0.0	0.000	0.000	0.0000	
4320 minute winter	SW11	Flow through Pond	SW9	0.1	0.002	0.000	2.3445	
4320 minute winter	SW12	1.009	SW13	0.2	0.274	0.011	0.0180	
4320 minute winter	SW13	1.010	SW21	0.4	0.379	0.008	0.0080	
4320 minute winter	SW14	2.000	SW15	0.1	0.261	0.012	0.0064	
4320 minute winter	SW15	2.001	SW16	0.1	0.261	0.012	0.0020	
4320 minute winter	SW16	2.002	SW17	0.1	0.241	0.012	0.0044	
4320 minute winter	SW17	2.003	SW19	0.2	0.354	0.006	0.0028	
4320 minute winter	SW18	3.000	SW17	0.1	0.331	0.004	0.0003	
4320 minute winter	SW19	2.004	SW13	0.2	0.444	0.009	0.0028	
4320 minute winter	SW20	4.000	SW19	0.1	0.202	0.012	0.0006	
4320 minute winter	SW21	1.011	SW23	0.5	0.358	0.009	0.0716	
4320 minute winter	SW22	5.000	SW21	0.1	0.173	0.008	0.0074	
4320 minute winter	SW23	6.010	SW40	0.9	0.527	0.015	0.0136	
4320 minute winter	SW24	6.000	SW25	0.1	0.289	0.017	0.0063	
4320 minute winter	SW25	6.001	SW26	0.1	0.289	0.017	0.0076	

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Results for 2 year +45% CC 4320 minute winter. 4560 minute analysis at 60 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute winter	SW26	1500	12.449	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	SW28	2100	12.389	0.011	0.2	0.0099	0.0000	OK
4320 minute winter	SW29	2100	12.839	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	SW30	2100	12.353	0.011	0.2	0.0099	0.0000	OK
4320 minute winter	SW31	2940	11.855	0.197	0.2	0.0000	0.0000	OK
4320 minute winter	SW32	2940	11.855	0.201	0.1	0.0570	0.0000	SURCHARGED
4320 minute winter	SW33	2940	11.579	0.010	0.2	0.0088	0.0000	OK
4320 minute winter	SW34	3480	13.518	0.168	0.3	15.9273	0.0000	SURCHARGED
4320 minute winter	SW35	2940	11.429	0.010	0.2	0.0029	0.0000	OK
4320 minute winter	SW36	2940	11.356	0.010	0.2	0.0029	0.0000	OK
4320 minute winter	SW37	2940	11.197	0.013	0.3	0.0114	0.0000	OK
4320 minute winter	SW38	2700	12.848	0.178	0.2	7.8527	0.0000	SURCHARGED
4320 minute winter	SW39	3120	12.510	0.210	0.2	8.0584	0.0000	SURCHARGED
4320 minute winter	SW40	2940	10.239	0.001	1.0	0.0004	0.0000	OK
4320 minute winter	SW41	3120	12.379	0.159	0.2	7.5805	0.0000	SURCHARGED
4320 minute winter	SW42	2100	12.828	0.008	0.1	0.0000	0.0000	OK
4320 minute winter	SW43	2100	12.309	0.009	0.1	0.0026	0.0000	OK
4320 minute winter	SW44	2100	12.219	0.009	0.1	0.0026	0.0000	OK
4320 minute winter	SW45	2100	12.168	0.009	0.1	0.0026	0.0000	OK
4320 minute winter	SW46	2100	12.046	0.008	0.1	0.0022	0.0000	OK
4320 minute winter	SW47	2100	11.154	0.009	0.1	0.0026	0.0000	OK
4320 minute winter	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	SW49	60	11.900	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	SW50	60	11.801	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	SW26	6.002	SW28	0.1	0.304	0.017	0.0026	
4320 minute winter	SW27	7.000	SW26	0.0	0.000	0.000	0.0007	
4320 minute winter	SW28	6.003	SW30	0.2	0.328	0.011	0.0022	
4320 minute winter	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
4320 minute winter	SW30	6.004	SW31	0.2	0.332	0.011	0.0023	
4320 minute winter	SW31	Flow through Pond	SW32	0.1	0.001	0.000	6.4431	
4320 minute winter	SW32	6.005	SW33	0.1	0.259	0.012	0.0010	
4320 minute winter	SW33	6.006	SW35	0.2	0.308	0.009	0.0076	
4320 minute winter	SW34	9.000	SW33	0.1	0.340	0.010	0.0004	
4320 minute winter	SW35	6.007	SW36	0.2	0.309	0.009	0.0037	
4320 minute winter	SW36	6.008	SW37	0.2	0.251	0.009	0.0101	
4320 minute winter	SW37	6.009	SW23	0.3	0.271	0.016	0.0182	
4320 minute winter	SW38	10.000	SW37	0.1	0.382	0.014	0.0005	
4320 minute winter	SW39	11.000	SW23	0.1	0.330	0.009	0.0003	
4320 minute winter	SW40	Pump		1.0				148.0
4320 minute winter	SW41	12.000	SW40	0.1	0.338	0.009	0.0005	
4320 minute winter	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
4320 minute winter	SW43	13.001	SW44	0.1	0.286	0.017	0.0032	
4320 minute winter	SW44	13.002	SW45	0.1	0.281	0.017	0.0018	
4320 minute winter	SW45	13.003	SW46	0.1	0.310	0.017	0.0039	
4320 minute winter	SW46	13.004	SW47	0.1	0.349	0.012	0.0040	
4320 minute winter	SW47	17.000	SW55	0.1	0.286	0.017	0.0052	
4320 minute winter	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
4320 minute winter	SW49	15.000	SW50	0.0	0.000	0.000	0.0000	
4320 minute winter	SW50	15.001	SW51	0.0	0.000	0.000	0.0000	

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Results for 2 year +45% CC 4320 minute winter. 4560 minute analysis at 60 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute winter	SW51	60	11.672	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	SW52	60	11.200	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	SW53	60	11.900	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	SW54	60	11.271	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	SW55	2100	11.006	0.009	0.1	0.0006	0.0000	OK
4320 minute winter	SW56	2400	10.334	0.040	0.1	0.0000	0.0000	OK
4320 minute winter	SW57	2400	10.334	0.050	0.1	0.0142	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	SW51	15.002	SW52	0.0	0.000	0.000	0.0000	
4320 minute winter	SW52	15.003	SW47	0.0	0.000	0.000	0.0010	
4320 minute winter	SW53	16.000	SW54	0.0	0.000	0.000	0.0000	
4320 minute winter	SW54	16.001	SW52	0.0	0.000	0.000	0.0000	
4320 minute winter	SW55	17.001	SW56	0.1	0.288	0.017	0.0004	
4320 minute winter	SW56	Flow through Pond	SW57	0.1	0.004	0.000	1.5475	
4320 minute winter	SW57	17.002	SW40	0.0	0.405	0.006	0.0005	

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Results for 2 year +45% CC 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	SW1	3900	13.158	0.268	0.8	42.8626	0.0000	SURCHARGED
5760 minute summer	SW2	3900	12.592	0.010	0.2	0.0029	0.0000	OK
5760 minute summer	SW3	3960	12.453	0.009	0.2	0.0027	0.0000	OK
5760 minute summer	SW4	3360	12.241	0.012	0.2	0.0000	0.0000	OK
5760 minute summer	SW5	2580	13.109	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	SW6	2580	13.041	0.009	0.1	0.0014	0.0000	OK
5760 minute summer	SW7	2580	12.952	0.009	0.1	0.0007	0.0000	OK
5760 minute summer	SW8	3300	12.443	0.188	0.1	0.0000	0.0000	OK
5760 minute summer	SW9	3300	12.443	0.200	0.1	0.0565	0.0000	SURCHARGED
5760 minute summer	SW10	2880	13.126	0.006	0.1	0.0000	0.0000	OK
5760 minute summer	SW11	3300	12.443	0.188	0.1	0.0000	0.0000	OK
5760 minute summer	SW12	3360	11.885	0.012	0.2	0.0033	0.0000	OK
5760 minute summer	SW13	3600	11.644	0.015	0.5	0.0132	0.0000	OK
5760 minute summer	SW14	3660	13.274	0.154	0.2	5.2870	0.0000	SURCHARGED
5760 minute summer	SW15	3660	12.900	0.008	0.1	0.0023	0.0000	OK
5760 minute summer	SW16	3660	12.830	0.008	0.1	0.0023	0.0000	OK
5760 minute summer	SW17	3660	12.686	0.009	0.2	0.0078	0.0000	OK
5760 minute summer	SW18	5760	13.097	0.227	0.8	47.4941	0.0000	SURCHARGED
5760 minute summer	SW19	3660	12.564	0.011	0.2	0.0030	0.0000	OK
5760 minute summer	SW20	3600	12.699	0.129	0.2	4.7065	0.0000	SURCHARGED
5760 minute summer	SW21	3600	11.574	0.016	0.5	0.0045	0.0000	OK
5760 minute summer	SW22	3840	12.107	0.147	0.2	8.6449	0.0000	SURCHARGED
5760 minute summer	SW23	3600	11.029	0.020	0.9	0.0056	0.0000	OK
5760 minute summer	SW24	3180	12.849	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	SW25	2700	12.666	0.009	0.1	0.0026	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	SW1	1.000	SW2	0.2	0.305	0.009	0.0154	
5760 minute summer	SW2	1.001	SW3	0.2	0.319	0.009	0.0066	
5760 minute summer	SW3	1.002	SW4	0.2	0.317	0.008	0.0090	
5760 minute summer	SW4	1.008	SW12	0.2	0.344	0.012	0.0226	
5760 minute summer	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
5760 minute summer	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
5760 minute summer	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
5760 minute summer	SW8	Flow through Pond	SW9	0.1	0.002	0.000	3.3107	
5760 minute summer	SW9	1.007	SW4	0.1	0.189	0.012	0.0005	
5760 minute summer	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
5760 minute summer	SW11	Flow through Pond	SW9	0.1	0.002	0.000	3.3107	
5760 minute summer	SW12	1.009	SW13	0.2	0.282	0.012	0.0191	
5760 minute summer	SW13	1.010	SW21	0.5	0.389	0.009	0.0084	
5760 minute summer	SW14	2.000	SW15	0.1	0.268	0.013	0.0068	
5760 minute summer	SW15	2.001	SW16	0.1	0.268	0.013	0.0021	
5760 minute summer	SW16	2.002	SW17	0.1	0.249	0.013	0.0047	
5760 minute summer	SW17	2.003	SW19	0.2	0.363	0.007	0.0029	
5760 minute summer	SW18	3.000	SW17	0.1	0.335	0.004	0.0003	
5760 minute summer	SW19	2.004	SW13	0.2	0.451	0.010	0.0029	
5760 minute summer	SW20	4.000	SW19	0.1	0.202	0.012	0.0006	
5760 minute summer	SW21	1.011	SW23	0.5	0.367	0.010	0.0743	
5760 minute summer	SW22	5.000	SW21	0.1	0.167	0.008	0.0076	
5760 minute summer	SW23	6.010	SW40	0.9	0.535	0.015	0.0141	
5760 minute summer	SW24	6.000	SW25	0.1	0.289	0.017	0.0063	
5760 minute summer	SW25	6.001	SW26	0.1	0.289	0.017	0.0076	

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Results for 2 year +45% CC 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	SW26	2340	12.449	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	SW28	2760	12.389	0.011	0.2	0.0099	0.0000	OK
5760 minute summer	SW29	2760	12.839	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	SW30	2760	12.353	0.011	0.2	0.0099	0.0000	OK
5760 minute summer	SW31	3540	11.858	0.200	0.2	0.0000	0.0000	OK
5760 minute summer	SW32	3540	11.858	0.204	0.1	0.0577	0.0000	SURCHARGED
5760 minute summer	SW33	3540	11.579	0.010	0.2	0.0088	0.0000	OK
5760 minute summer	SW34	4260	13.526	0.176	0.4	16.7220	0.0000	SURCHARGED
5760 minute summer	SW35	3540	11.429	0.010	0.2	0.0029	0.0000	OK
5760 minute summer	SW36	3540	11.356	0.010	0.2	0.0029	0.0000	OK
5760 minute summer	SW37	3480	11.197	0.013	0.3	0.0115	0.0000	OK
5760 minute summer	SW38	3360	12.863	0.193	0.3	8.5167	0.0000	SURCHARGED
5760 minute summer	SW39	3780	12.518	0.218	0.2	8.3842	0.0000	SURCHARGED
5760 minute summer	SW40	3540	10.239	0.001	1.0	0.0004	0.0000	OK
5760 minute summer	SW41	3780	12.386	0.166	0.2	7.9219	0.0000	SURCHARGED
5760 minute summer	SW42	2760	12.828	0.008	0.1	0.0000	0.0000	OK
5760 minute summer	SW43	2760	12.309	0.009	0.1	0.0026	0.0000	OK
5760 minute summer	SW44	2760	12.219	0.009	0.1	0.0026	0.0000	OK
5760 minute summer	SW45	2760	12.168	0.009	0.1	0.0026	0.0000	OK
5760 minute summer	SW46	2760	12.046	0.008	0.1	0.0022	0.0000	OK
5760 minute summer	SW47	2760	11.154	0.009	0.1	0.0026	0.0000	OK
5760 minute summer	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	SW49	60	11.900	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	SW50	60	11.801	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	SW26	6.002	SW28	0.1	0.304	0.017	0.0026	
5760 minute summer	SW27	7.000	SW26	0.0	0.000	0.000	0.0007	
5760 minute summer	SW28	6.003	SW30	0.2	0.328	0.011	0.0022	
5760 minute summer	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
5760 minute summer	SW30	6.004	SW31	0.2	0.332	0.011	0.0023	
5760 minute summer	SW31	Flow through Pond	SW32	0.1	0.001	0.000	6.5233	
5760 minute summer	SW32	6.005	SW33	0.1	0.260	0.012	0.0010	
5760 minute summer	SW33	6.006	SW35	0.2	0.310	0.009	0.0077	
5760 minute summer	SW34	9.000	SW33	0.1	0.343	0.010	0.0004	
5760 minute summer	SW35	6.007	SW36	0.2	0.310	0.009	0.0037	
5760 minute summer	SW36	6.008	SW37	0.2	0.251	0.009	0.0103	
5760 minute summer	SW37	6.009	SW23	0.3	0.271	0.016	0.0187	
5760 minute summer	SW38	10.000	SW37	0.1	0.387	0.015	0.0005	
5760 minute summer	SW39	11.000	SW23	0.1	0.332	0.009	0.0003	
5760 minute summer	SW40	Pump		1.0				178.5
5760 minute summer	SW41	12.000	SW40	0.1	0.340	0.010	0.0005	
5760 minute summer	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
5760 minute summer	SW43	13.001	SW44	0.1	0.286	0.017	0.0032	
5760 minute summer	SW44	13.002	SW45	0.1	0.281	0.017	0.0018	
5760 minute summer	SW45	13.003	SW46	0.1	0.310	0.017	0.0039	
5760 minute summer	SW46	13.004	SW47	0.1	0.349	0.012	0.0040	
5760 minute summer	SW47	17.000	SW55	0.1	0.286	0.017	0.0052	
5760 minute summer	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
5760 minute summer	SW49	15.000	SW50	0.0	0.000	0.000	0.0000	
5760 minute summer	SW50	15.001	SW51	0.0	0.000	0.000	0.0000	

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Results for 2 year +45% CC 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	SW51	60	11.672	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	SW52	60	11.200	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	SW53	60	11.900	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	SW54	60	11.271	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	SW55	2760	11.006	0.009	0.1	0.0006	0.0000	OK
5760 minute summer	SW56	3180	10.347	0.053	0.1	0.0000	0.0000	OK
5760 minute summer	SW57	3180	10.347	0.063	0.1	0.0178	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	SW51	15.002	SW52	0.0	0.000	0.000	0.0000	
5760 minute summer	SW52	15.003	SW47	0.0	0.000	0.000	0.0010	
5760 minute summer	SW53	16.000	SW54	0.0	0.000	0.000	0.0000	
5760 minute summer	SW54	16.001	SW52	0.0	0.000	0.000	0.0000	
5760 minute summer	SW55	17.001	SW56	0.1	0.288	0.017	0.0004	
5760 minute summer	SW56	Flow through Pond	SW57	0.1	0.004	0.000	1.9820	
5760 minute summer	SW57	17.002	SW40	0.0	0.421	0.007	0.0006	

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Results for 2 year +45% CC 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	SW1	4200	13.153	0.263	0.5	42.1313	0.0000	SURCHARGED
5760 minute winter	SW2	4260	12.592	0.010	0.2	0.0029	0.0000	OK
5760 minute winter	SW3	4260	12.453	0.009	0.2	0.0027	0.0000	OK
5760 minute winter	SW4	3300	12.240	0.011	0.2	0.0000	0.0000	OK
5760 minute winter	SW5	2640	13.109	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	SW6	2640	13.041	0.009	0.1	0.0014	0.0000	OK
5760 minute winter	SW7	2640	12.952	0.009	0.1	0.0007	0.0000	OK
5760 minute winter	SW8	3240	12.372	0.117	0.1	0.0000	0.0000	OK
5760 minute winter	SW9	3240	12.372	0.129	0.1	0.0364	0.0000	SURCHARGED
5760 minute winter	SW10	60	13.120	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW11	3240	12.372	0.117	0.0	0.0000	0.0000	OK
5760 minute winter	SW12	3300	11.884	0.011	0.2	0.0032	0.0000	OK
5760 minute winter	SW13	3780	11.644	0.015	0.4	0.0128	0.0000	OK
5760 minute winter	SW14	3840	13.262	0.142	0.1	4.8658	0.0000	SURCHARGED
5760 minute winter	SW15	3840	12.900	0.008	0.1	0.0023	0.0000	OK
5760 minute winter	SW16	3840	12.830	0.008	0.1	0.0022	0.0000	OK
5760 minute winter	SW17	3840	12.686	0.009	0.2	0.0077	0.0000	OK
5760 minute winter	SW18	5580	13.095	0.225	0.5	46.9854	0.0000	SURCHARGED
5760 minute winter	SW19	3840	12.564	0.011	0.2	0.0030	0.0000	OK
5760 minute winter	SW20	3780	12.702	0.132	0.1	4.8250	0.0000	SURCHARGED
5760 minute winter	SW21	3780	11.573	0.015	0.5	0.0044	0.0000	OK
5760 minute winter	SW22	4140	12.098	0.138	0.2	8.1010	0.0000	SURCHARGED
5760 minute winter	SW23	3780	11.028	0.019	0.8	0.0054	0.0000	OK
5760 minute winter	SW24	2100	12.849	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	SW25	2100	12.666	0.009	0.1	0.0026	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	SW1	1.000	SW2	0.2	0.304	0.009	0.0153	
5760 minute winter	SW2	1.001	SW3	0.2	0.318	0.009	0.0066	
5760 minute winter	SW3	1.002	SW4	0.2	0.319	0.007	0.0085	
5760 minute winter	SW4	1.008	SW12	0.2	0.332	0.011	0.0209	
5760 minute winter	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
5760 minute winter	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
5760 minute winter	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
5760 minute winter	SW8	Flow through Pond	SW9	0.1	0.002	0.000	2.0949	
5760 minute winter	SW9	1.007	SW4	0.1	0.168	0.010	0.0005	
5760 minute winter	SW10	1.006	SW11	0.0	0.000	0.000	0.0000	
5760 minute winter	SW11	Flow through Pond	SW9	0.1	0.002	0.000	2.0949	
5760 minute winter	SW12	1.009	SW13	0.2	0.270	0.011	0.0179	
5760 minute winter	SW13	1.010	SW21	0.4	0.381	0.008	0.0081	
5760 minute winter	SW14	2.000	SW15	0.1	0.264	0.013	0.0066	
5760 minute winter	SW15	2.001	SW16	0.1	0.264	0.013	0.0020	
5760 minute winter	SW16	2.002	SW17	0.1	0.244	0.013	0.0046	
5760 minute winter	SW17	2.003	SW19	0.2	0.359	0.007	0.0029	
5760 minute winter	SW18	3.000	SW17	0.1	0.334	0.004	0.0003	
5760 minute winter	SW19	2.004	SW13	0.2	0.449	0.010	0.0028	
5760 minute winter	SW20	4.000	SW19	0.1	0.204	0.012	0.0006	
5760 minute winter	SW21	1.011	SW23	0.5	0.361	0.009	0.0708	
5760 minute winter	SW22	5.000	SW21	0.1	0.170	0.008	0.0073	
5760 minute winter	SW23	6.010	SW40	0.8	0.523	0.014	0.0134	
5760 minute winter	SW24	6.000	SW25	0.1	0.289	0.017	0.0063	
5760 minute winter	SW25	6.001	SW26	0.1	0.285	0.017	0.0076	

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Results for 2 year +45% CC 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	SW26	2100	12.449	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW28	2100	12.386	0.008	0.1	0.0072	0.0000	OK
5760 minute winter	SW29	60	12.830	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW30	2100	12.350	0.008	0.1	0.0071	0.0000	OK
5760 minute winter	SW31	3780	11.822	0.164	0.1	0.0000	0.0000	OK
5760 minute winter	SW32	3780	11.822	0.168	0.1	0.0474	0.0000	SURCHARGED
5760 minute winter	SW33	3840	11.579	0.010	0.1	0.0086	0.0000	OK
5760 minute winter	SW34	4440	13.515	0.164	0.2	15.6124	0.0000	SURCHARGED
5760 minute winter	SW35	3840	11.429	0.010	0.1	0.0028	0.0000	OK
5760 minute winter	SW36	3840	11.356	0.010	0.1	0.0028	0.0000	OK
5760 minute winter	SW37	3780	11.197	0.013	0.3	0.0112	0.0000	OK
5760 minute winter	SW38	3360	12.843	0.173	0.2	7.6340	0.0000	SURCHARGED
5760 minute winter	SW39	4020	12.474	0.174	0.1	6.6503	0.0000	SURCHARGED
5760 minute winter	SW40	3840	10.239	0.001	0.9	0.0004	0.0000	OK
5760 minute winter	SW41	4020	12.350	0.130	0.1	6.1658	0.0000	SURCHARGED
5760 minute winter	SW42	60	12.820	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW43	60	12.300	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW44	60	12.210	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW45	60	12.159	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW46	60	12.038	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW47	60	11.145	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW49	60	11.900	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW50	60	11.801	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	SW26	6.002	SW28	0.1	0.304	0.017	0.0020	
5760 minute winter	SW27	7.000	SW26	0.0	0.000	0.000	0.0007	
5760 minute winter	SW28	6.003	SW30	0.1	0.267	0.006	0.0013	
5760 minute winter	SW29	8.000	SW28	0.0	0.000	0.000	0.0000	
5760 minute winter	SW30	6.004	SW31	0.1	0.269	0.006	0.0014	
5760 minute winter	SW31	Flow through Pond	SW32	0.1	0.001	0.000	5.3521	
5760 minute winter	SW32	6.005	SW33	0.1	0.252	0.011	0.0010	
5760 minute winter	SW33	6.006	SW35	0.1	0.303	0.008	0.0073	
5760 minute winter	SW34	9.000	SW33	0.1	0.339	0.010	0.0004	
5760 minute winter	SW35	6.007	SW36	0.1	0.304	0.008	0.0036	
5760 minute winter	SW36	6.008	SW37	0.1	0.246	0.008	0.0098	
5760 minute winter	SW37	6.009	SW23	0.3	0.265	0.015	0.0178	
5760 minute winter	SW38	10.000	SW37	0.1	0.380	0.014	0.0004	
5760 minute winter	SW39	11.000	SW23	0.1	0.321	0.008	0.0003	
5760 minute winter	SW40	Pump		0.9				176.4
5760 minute winter	SW41	12.000	SW40	0.1	0.328	0.009	0.0005	
5760 minute winter	SW42	13.000	SW43	0.0	0.000	0.000	0.0000	
5760 minute winter	SW43	13.001	SW44	0.0	0.000	0.000	0.0000	
5760 minute winter	SW44	13.002	SW45	0.0	0.000	0.000	0.0000	
5760 minute winter	SW45	13.003	SW46	0.0	0.000	0.000	0.0000	
5760 minute winter	SW46	13.004	SW47	0.0	0.000	0.000	0.0000	
5760 minute winter	SW47	17.000	SW55	0.0	0.000	0.000	0.0000	
5760 minute winter	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
5760 minute winter	SW49	15.000	SW50	0.0	0.000	0.000	0.0000	
5760 minute winter	SW50	15.001	SW51	0.0	0.000	0.000	0.0000	

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Results for 2 year +45% CC 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	SW51	60	11.672	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW52	60	11.200	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW53	60	11.900	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW54	60	11.271	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW55	60	10.997	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW56	60	10.294	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW57	60	10.284	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	SW51	15.002	SW52	0.0	0.000	0.000	0.0000	
5760 minute winter	SW52	15.003	SW47	0.0	0.000	0.000	0.0000	
5760 minute winter	SW53	16.000	SW54	0.0	0.000	0.000	0.0000	
5760 minute winter	SW54	16.001	SW52	0.0	0.000	0.000	0.0000	
5760 minute winter	SW55	17.001	SW56	0.0	0.000	0.000	0.0000	
5760 minute winter	SW56	Flow through Pond	SW57	0.0	0.000	0.000	0.0010	
5760 minute winter	SW57	17.002	SW40	0.0	0.000	0.000	0.0000	

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Results for 2 year +45% CC 7200 minute summer. 7440 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	SW1	4800	13.176	0.286	0.7	45.9118	0.0000	SURCHARGED
7200 minute summer	SW2	4800	12.592	0.010	0.2	0.0029	0.0000	OK
7200 minute summer	SW3	4800	12.454	0.010	0.2	0.0027	0.0000	OK
7200 minute summer	SW4	4080	12.241	0.012	0.2	0.0000	0.0000	OK
7200 minute summer	SW5	3300	13.109	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	SW6	3300	13.041	0.009	0.1	0.0014	0.0000	OK
7200 minute summer	SW7	3300	12.952	0.009	0.1	0.0007	0.0000	OK
7200 minute summer	SW8	4020	12.414	0.159	0.1	0.0000	0.0000	OK
7200 minute summer	SW9	4020	12.414	0.171	0.1	0.0484	0.0000	SURCHARGED
7200 minute summer	SW10	3660	13.126	0.006	0.1	0.0000	0.0000	OK
7200 minute summer	SW11	4020	12.414	0.159	0.1	0.0000	0.0000	OK
7200 minute summer	SW12	4080	11.885	0.012	0.2	0.0033	0.0000	OK
7200 minute summer	SW13	4440	11.644	0.015	0.5	0.0131	0.0000	OK
7200 minute summer	SW14	4440	13.252	0.132	0.1	4.5067	0.0000	SURCHARGED
7200 minute summer	SW15	4440	12.900	0.008	0.1	0.0022	0.0000	OK
7200 minute summer	SW16	4440	12.830	0.008	0.1	0.0022	0.0000	OK
7200 minute summer	SW17	4440	12.686	0.009	0.2	0.0077	0.0000	OK
7200 minute summer	SW18	4800	13.108	0.238	0.7	49.9401	0.0000	SURCHARGED
7200 minute summer	SW19	4440	12.564	0.011	0.2	0.0030	0.0000	OK
7200 minute summer	SW20	4440	12.697	0.127	0.1	4.6302	0.0000	SURCHARGED
7200 minute summer	SW21	4440	11.574	0.016	0.5	0.0045	0.0000	OK
7200 minute summer	SW22	4680	12.114	0.154	0.2	9.0572	0.0000	SURCHARGED
7200 minute summer	SW23	4440	11.029	0.020	0.9	0.0056	0.0000	OK
7200 minute summer	SW24	3840	12.849	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	SW25	3480	12.666	0.009	0.1	0.0026	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	SW1	1.000	SW2	0.2	0.308	0.009	0.0158	
7200 minute summer	SW2	1.001	SW3	0.2	0.323	0.009	0.0068	
7200 minute summer	SW3	1.002	SW4	0.2	0.322	0.008	0.0090	
7200 minute summer	SW4	1.008	SW12	0.2	0.343	0.012	0.0225	
7200 minute summer	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
7200 minute summer	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
7200 minute summer	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
7200 minute summer	SW8	Flow through Pond	SW9	0.1	0.002	0.000	2.8213	
7200 minute summer	SW9	1.007	SW4	0.1	0.179	0.011	0.0005	
7200 minute summer	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
7200 minute summer	SW11	Flow through Pond	SW9	0.1	0.002	0.000	2.8213	
7200 minute summer	SW12	1.009	SW13	0.2	0.283	0.012	0.0188	
7200 minute summer	SW13	1.010	SW21	0.5	0.386	0.009	0.0083	
7200 minute summer	SW14	2.000	SW15	0.1	0.261	0.012	0.0064	
7200 minute summer	SW15	2.001	SW16	0.1	0.261	0.012	0.0020	
7200 minute summer	SW16	2.002	SW17	0.1	0.238	0.012	0.0045	
7200 minute summer	SW17	2.003	SW19	0.2	0.359	0.007	0.0029	
7200 minute summer	SW18	3.000	SW17	0.1	0.337	0.004	0.0003	
7200 minute summer	SW19	2.004	SW13	0.2	0.448	0.010	0.0028	
7200 minute summer	SW20	4.000	SW19	0.1	0.201	0.012	0.0006	
7200 minute summer	SW21	1.011	SW23	0.5	0.365	0.010	0.0738	
7200 minute summer	SW22	5.000	SW21	0.1	0.172	0.008	0.0076	
7200 minute summer	SW23	6.010	SW40	0.9	0.534	0.015	0.0140	
7200 minute summer	SW24	6.000	SW25	0.1	0.289	0.017	0.0063	
7200 minute summer	SW25	6.001	SW26	0.1	0.289	0.017	0.0076	

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Results for 2 year +45% CC 7200 minute summer. 7440 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	SW26	2940	12.449	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	SW28	3540	12.389	0.011	0.2	0.0099	0.0000	OK
7200 minute summer	SW29	3540	12.839	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	SW30	3540	12.353	0.011	0.2	0.0099	0.0000	OK
7200 minute summer	SW31	4380	11.855	0.197	0.2	0.0000	0.0000	OK
7200 minute summer	SW32	4380	11.855	0.201	0.1	0.0570	0.0000	SURCHARGED
7200 minute summer	SW33	4380	11.579	0.010	0.2	0.0088	0.0000	OK
7200 minute summer	SW34	5100	13.530	0.180	0.3	17.1076	0.0000	SURCHARGED
7200 minute summer	SW35	4380	11.429	0.010	0.2	0.0029	0.0000	OK
7200 minute summer	SW36	4380	11.356	0.010	0.2	0.0029	0.0000	OK
7200 minute summer	SW37	4260	11.197	0.013	0.3	0.0115	0.0000	OK
7200 minute summer	SW38	4140	12.863	0.193	0.3	8.5467	0.0000	SURCHARGED
7200 minute summer	SW39	4620	12.515	0.215	0.2	8.2732	0.0000	SURCHARGED
7200 minute summer	SW40	4380	10.239	0.001	1.0	0.0004	0.0000	OK
7200 minute summer	SW41	4620	12.383	0.162	0.2	7.7620	0.0000	SURCHARGED
7200 minute summer	SW42	3540	12.828	0.008	0.1	0.0000	0.0000	OK
7200 minute summer	SW43	3540	12.309	0.009	0.1	0.0026	0.0000	OK
7200 minute summer	SW44	3540	12.219	0.009	0.1	0.0026	0.0000	OK
7200 minute summer	SW45	3540	12.168	0.009	0.1	0.0026	0.0000	OK
7200 minute summer	SW46	3540	12.046	0.008	0.1	0.0022	0.0000	OK
7200 minute summer	SW47	3540	11.154	0.009	0.1	0.0026	0.0000	OK
7200 minute summer	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	SW49	60	11.900	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	SW50	60	11.801	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	SW26	6.002	SW28	0.1	0.304	0.017	0.0026	
7200 minute summer	SW27	7.000	SW26	0.0	0.000	0.000	0.0007	
7200 minute summer	SW28	6.003	SW30	0.2	0.328	0.011	0.0022	
7200 minute summer	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
7200 minute summer	SW30	6.004	SW31	0.2	0.332	0.011	0.0023	
7200 minute summer	SW31	Flow through Pond	SW32	0.1	0.001	0.000	6.4431	
7200 minute summer	SW32	6.005	SW33	0.1	0.259	0.012	0.0010	
7200 minute summer	SW33	6.006	SW35	0.2	0.310	0.009	0.0077	
7200 minute summer	SW34	9.000	SW33	0.1	0.344	0.010	0.0004	
7200 minute summer	SW35	6.007	SW36	0.2	0.310	0.009	0.0038	
7200 minute summer	SW36	6.008	SW37	0.2	0.251	0.009	0.0103	
7200 minute summer	SW37	6.009	SW23	0.3	0.272	0.016	0.0187	
7200 minute summer	SW38	10.000	SW37	0.1	0.387	0.015	0.0005	
7200 minute summer	SW39	11.000	SW23	0.1	0.331	0.009	0.0003	
7200 minute summer	SW40	Pump		1.0				205.7
7200 minute summer	SW41	12.000	SW40	0.1	0.339	0.010	0.0005	
7200 minute summer	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
7200 minute summer	SW43	13.001	SW44	0.1	0.286	0.017	0.0032	
7200 minute summer	SW44	13.002	SW45	0.1	0.281	0.017	0.0018	
7200 minute summer	SW45	13.003	SW46	0.1	0.310	0.017	0.0039	
7200 minute summer	SW46	13.004	SW47	0.1	0.349	0.012	0.0040	
7200 minute summer	SW47	17.000	SW55	0.1	0.286	0.017	0.0052	
7200 minute summer	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
7200 minute summer	SW49	15.000	SW50	0.0	0.000	0.000	0.0000	
7200 minute summer	SW50	15.001	SW51	0.0	0.000	0.000	0.0000	

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Results for 2 year +45% CC 7200 minute summer. 7440 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	SW51	60	11.672	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	SW52	60	11.200	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	SW53	60	11.900	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	SW54	60	11.271	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	SW55	3540	11.006	0.009	0.1	0.0006	0.0000	OK
7200 minute summer	SW56	3840	10.334	0.040	0.1	0.0000	0.0000	OK
7200 minute summer	SW57	3840	10.334	0.050	0.1	0.0142	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	SW51	15.002	SW52	0.0	0.000	0.000	0.0000	
7200 minute summer	SW52	15.003	SW47	0.0	0.000	0.000	0.0010	
7200 minute summer	SW53	16.000	SW54	0.0	0.000	0.000	0.0000	
7200 minute summer	SW54	16.001	SW52	0.0	0.000	0.000	0.0000	
7200 minute summer	SW55	17.001	SW56	0.1	0.288	0.017	0.0004	
7200 minute summer	SW56	Flow through Pond	SW57	0.1	0.004	0.000	1.5475	
7200 minute summer	SW57	17.002	SW40	0.0	0.403	0.006	0.0005	

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Results for 2 year +45% CC 7200 minute winter. 7440 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	SW1	5100	13.160	0.270	0.5	43.2084	0.0000	SURCHARGED
7200 minute winter	SW2	5100	12.592	0.010	0.2	0.0029	0.0000	OK
7200 minute winter	SW3	5160	12.453	0.009	0.2	0.0027	0.0000	OK
7200 minute winter	SW4	3780	12.239	0.010	0.2	0.0000	0.0000	OK
7200 minute winter	SW5	3600	13.109	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	SW6	3600	13.041	0.009	0.1	0.0014	0.0000	OK
7200 minute winter	SW7	3600	12.952	0.009	0.1	0.0007	0.0000	OK
7200 minute winter	SW8	3780	12.300	0.045	0.1	0.0000	0.0000	OK
7200 minute winter	SW9	3780	12.300	0.057	0.1	0.0161	0.0000	OK
7200 minute winter	SW10	60	13.120	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW11	3780	12.300	0.045	0.0	0.0000	0.0000	OK
7200 minute winter	SW12	3780	11.883	0.010	0.2	0.0029	0.0000	OK
7200 minute winter	SW13	4680	11.643	0.014	0.4	0.0124	0.0000	OK
7200 minute winter	SW14	4680	13.271	0.151	0.1	5.1861	0.0000	SURCHARGED
7200 minute winter	SW15	4680	12.900	0.008	0.1	0.0023	0.0000	OK
7200 minute winter	SW16	4680	12.830	0.008	0.1	0.0023	0.0000	OK
7200 minute winter	SW17	4680	12.686	0.009	0.2	0.0078	0.0000	OK
7200 minute winter	SW18	6900	13.105	0.235	0.4	49.1460	0.0000	SURCHARGED
7200 minute winter	SW19	4680	12.564	0.011	0.3	0.0031	0.0000	OK
7200 minute winter	SW20	4680	12.716	0.146	0.1	5.3496	0.0000	SURCHARGED
7200 minute winter	SW21	4740	11.573	0.015	0.5	0.0043	0.0000	OK
7200 minute winter	SW22	5040	12.092	0.132	0.1	7.7170	0.0000	SURCHARGED
7200 minute winter	SW23	4680	11.028	0.019	0.8	0.0054	0.0000	OK
7200 minute winter	SW24	2760	12.849	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	SW25	2760	12.666	0.009	0.1	0.0026	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	SW1	1.000	SW2	0.2	0.305	0.009	0.0154	
7200 minute winter	SW2	1.001	SW3	0.2	0.319	0.009	0.0066	
7200 minute winter	SW3	1.002	SW4	0.2	0.322	0.008	0.0079	
7200 minute winter	SW4	1.008	SW12	0.2	0.316	0.009	0.0187	
7200 minute winter	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
7200 minute winter	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
7200 minute winter	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
7200 minute winter	SW8	Flow through Pond	SW9	0.1	0.002	0.000	0.8674	
7200 minute winter	SW9	1.007	SW4	0.0	0.130	0.006	0.0004	
7200 minute winter	SW10	1.006	SW11	0.0	0.000	0.000	0.0000	
7200 minute winter	SW11	Flow through Pond	SW9	0.1	0.002	0.000	0.8674	
7200 minute winter	SW12	1.009	SW13	0.2	0.267	0.009	0.0166	
7200 minute winter	SW13	1.010	SW21	0.4	0.373	0.008	0.0077	
7200 minute winter	SW14	2.000	SW15	0.1	0.267	0.013	0.0067	
7200 minute winter	SW15	2.001	SW16	0.1	0.267	0.013	0.0021	
7200 minute winter	SW16	2.002	SW17	0.1	0.248	0.013	0.0046	
7200 minute winter	SW17	2.003	SW19	0.2	0.359	0.007	0.0030	
7200 minute winter	SW18	3.000	SW17	0.1	0.336	0.004	0.0003	
7200 minute winter	SW19	2.004	SW13	0.3	0.453	0.010	0.0029	
7200 minute winter	SW20	4.000	SW19	0.1	0.209	0.013	0.0006	
7200 minute winter	SW21	1.011	SW23	0.5	0.351	0.009	0.0689	
7200 minute winter	SW22	5.000	SW21	0.1	0.169	0.007	0.0071	
7200 minute winter	SW23	6.010	SW40	0.8	0.518	0.014	0.0131	
7200 minute winter	SW24	6.000	SW25	0.1	0.289	0.017	0.0063	
7200 minute winter	SW25	6.001	SW26	0.1	0.285	0.017	0.0076	

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Results for 2 year +45% CC 7200 minute winter. 7440 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	SW26	2760	12.449	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW28	2760	12.386	0.008	0.1	0.0072	0.0000	OK
7200 minute winter	SW29	60	12.830	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW30	2760	12.350	0.008	0.1	0.0071	0.0000	OK
7200 minute winter	SW31	4560	11.829	0.171	0.1	0.0000	0.0000	OK
7200 minute winter	SW32	4560	11.829	0.175	0.1	0.0494	0.0000	SURCHARGED
7200 minute winter	SW33	4560	11.579	0.010	0.2	0.0087	0.0000	OK
7200 minute winter	SW34	5400	13.528	0.178	0.2	16.9071	0.0000	SURCHARGED
7200 minute winter	SW35	4560	11.429	0.010	0.2	0.0029	0.0000	OK
7200 minute winter	SW36	4560	11.356	0.010	0.2	0.0028	0.0000	OK
7200 minute winter	SW37	4560	11.197	0.013	0.3	0.0112	0.0000	OK
7200 minute winter	SW38	4020	12.837	0.167	0.2	7.3515	0.0000	SURCHARGED
7200 minute winter	SW39	4980	12.495	0.195	0.1	7.4766	0.0000	SURCHARGED
7200 minute winter	SW40	4680	10.238	0.000	0.9	0.0004	0.0000	OK
7200 minute winter	SW41	4980	12.364	0.144	0.1	6.8731	0.0000	SURCHARGED
7200 minute winter	SW42	60	12.820	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW43	60	12.300	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW44	60	12.210	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW45	60	12.159	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW46	60	12.038	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW47	60	11.145	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW49	60	11.900	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW50	60	11.801	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	SW26	6.002	SW28	0.1	0.304	0.017	0.0020	
7200 minute winter	SW27	7.000	SW26	0.0	0.000	0.000	0.0007	
7200 minute winter	SW28	6.003	SW30	0.1	0.267	0.006	0.0013	
7200 minute winter	SW29	8.000	SW28	0.0	0.000	0.000	0.0000	
7200 minute winter	SW30	6.004	SW31	0.1	0.269	0.006	0.0014	
7200 minute winter	SW31	Flow through Pond	SW32	0.1	0.001	0.000	5.5778	
7200 minute winter	SW32	6.005	SW33	0.1	0.254	0.011	0.0010	
7200 minute winter	SW33	6.006	SW35	0.2	0.306	0.009	0.0075	
7200 minute winter	SW34	9.000	SW33	0.1	0.343	0.010	0.0004	
7200 minute winter	SW35	6.007	SW36	0.2	0.307	0.009	0.0037	
7200 minute winter	SW36	6.008	SW37	0.2	0.250	0.009	0.0099	
7200 minute winter	SW37	6.009	SW23	0.3	0.271	0.015	0.0176	
7200 minute winter	SW38	10.000	SW37	0.1	0.378	0.014	0.0004	
7200 minute winter	SW39	11.000	SW23	0.1	0.326	0.009	0.0003	
7200 minute winter	SW40	Pump		0.9				209.2
7200 minute winter	SW41	12.000	SW40	0.1	0.333	0.009	0.0005	
7200 minute winter	SW42	13.000	SW43	0.0	0.000	0.000	0.0000	
7200 minute winter	SW43	13.001	SW44	0.0	0.000	0.000	0.0000	
7200 minute winter	SW44	13.002	SW45	0.0	0.000	0.000	0.0000	
7200 minute winter	SW45	13.003	SW46	0.0	0.000	0.000	0.0000	
7200 minute winter	SW46	13.004	SW47	0.0	0.000	0.000	0.0000	
7200 minute winter	SW47	17.000	SW55	0.0	0.000	0.000	0.0000	
7200 minute winter	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
7200 minute winter	SW49	15.000	SW50	0.0	0.000	0.000	0.0000	
7200 minute winter	SW50	15.001	SW51	0.0	0.000	0.000	0.0000	

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Results for 2 year +45% CC 7200 minute winter. 7440 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	SW51	60	11.672	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW52	60	11.200	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW53	60	11.900	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW54	60	11.271	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW55	60	10.997	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW56	60	10.294	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW57	60	10.284	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	SW51	15.002	SW52	0.0	0.000	0.000	0.0000	
7200 minute winter	SW52	15.003	SW47	0.0	0.000	0.000	0.0000	
7200 minute winter	SW53	16.000	SW54	0.0	0.000	0.000	0.0000	
7200 minute winter	SW54	16.001	SW52	0.0	0.000	0.000	0.0000	
7200 minute winter	SW55	17.001	SW56	0.0	0.000	0.000	0.0000	
7200 minute winter	SW56	Flow through Pond	SW57	0.0	0.000	0.000	0.0010	
7200 minute winter	SW57	17.002	SW40	0.0	0.000	0.000	0.0000	

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Results for 2 year +45% CC 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	SW1	5640	13.179	0.289	0.6	46.4422	0.0000	SURCHARGED
8640 minute summer	SW2	5640	12.592	0.010	0.2	0.0029	0.0000	OK
8640 minute summer	SW3	5640	12.454	0.010	0.2	0.0027	0.0000	OK
8640 minute summer	SW4	4800	12.241	0.012	0.2	0.0000	0.0000	OK
8640 minute summer	SW5	4020	13.109	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	SW6	4020	13.041	0.009	0.1	0.0014	0.0000	OK
8640 minute summer	SW7	4020	12.952	0.009	0.1	0.0007	0.0000	OK
8640 minute summer	SW8	4740	12.386	0.131	0.1	0.0000	0.0000	OK
8640 minute summer	SW9	4740	12.386	0.143	0.1	0.0405	0.0000	SURCHARGED
8640 minute summer	SW10	60	13.120	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	SW11	4740	12.386	0.131	0.0	0.0000	0.0000	OK
8640 minute summer	SW12	4800	11.885	0.012	0.2	0.0033	0.0000	OK
8640 minute summer	SW13	5220	11.644	0.015	0.5	0.0131	0.0000	OK
8640 minute summer	SW14	5280	13.262	0.142	0.1	4.8658	0.0000	SURCHARGED
8640 minute summer	SW15	5280	12.900	0.008	0.1	0.0023	0.0000	OK
8640 minute summer	SW16	5280	12.830	0.008	0.1	0.0022	0.0000	OK
8640 minute summer	SW17	5280	12.686	0.009	0.2	0.0078	0.0000	OK
8640 minute summer	SW18	5640	13.126	0.256	0.6	53.7595	0.0000	SURCHARGED
8640 minute summer	SW19	5280	12.564	0.011	0.3	0.0031	0.0000	OK
8640 minute summer	SW20	5220	12.702	0.132	0.1	4.8250	0.0000	SURCHARGED
8640 minute summer	SW21	5220	11.574	0.016	0.5	0.0045	0.0000	OK
8640 minute summer	SW22	5520	12.120	0.160	0.2	9.4379	0.0000	SURCHARGED
8640 minute summer	SW23	5220	11.029	0.020	0.9	0.0056	0.0000	OK
8640 minute summer	SW24	4560	12.849	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	SW25	4200	12.666	0.009	0.1	0.0026	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	SW1	1.000	SW2	0.2	0.309	0.009	0.0158	
8640 minute summer	SW2	1.001	SW3	0.2	0.323	0.009	0.0068	
8640 minute summer	SW3	1.002	SW4	0.2	0.324	0.008	0.0089	
8640 minute summer	SW4	1.008	SW12	0.2	0.340	0.012	0.0220	
8640 minute summer	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
8640 minute summer	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
8640 minute summer	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
8640 minute summer	SW8	Flow through Pond	SW9	0.1	0.002	0.000	2.3445	
8640 minute summer	SW9	1.007	SW4	0.1	0.170	0.010	0.0005	
8640 minute summer	SW10	1.006	SW11	0.0	0.000	0.000	0.0000	
8640 minute summer	SW11	Flow through Pond	SW9	0.1	0.002	0.000	2.3445	
8640 minute summer	SW12	1.009	SW13	0.2	0.278	0.012	0.0187	
8640 minute summer	SW13	1.010	SW21	0.5	0.385	0.009	0.0083	
8640 minute summer	SW14	2.000	SW15	0.1	0.264	0.013	0.0066	
8640 minute summer	SW15	2.001	SW16	0.1	0.264	0.013	0.0020	
8640 minute summer	SW16	2.002	SW17	0.1	0.241	0.013	0.0046	
8640 minute summer	SW17	2.003	SW19	0.2	0.365	0.007	0.0030	
8640 minute summer	SW18	3.000	SW17	0.1	0.340	0.004	0.0003	
8640 minute summer	SW19	2.004	SW13	0.3	0.453	0.010	0.0029	
8640 minute summer	SW20	4.000	SW19	0.1	0.202	0.012	0.0006	
8640 minute summer	SW21	1.011	SW23	0.5	0.366	0.010	0.0738	
8640 minute summer	SW22	5.000	SW21	0.1	0.175	0.008	0.0076	
8640 minute summer	SW23	6.010	SW40	0.9	0.533	0.015	0.0140	
8640 minute summer	SW24	6.000	SW25	0.1	0.289	0.017	0.0063	
8640 minute summer	SW25	6.001	SW26	0.1	0.289	0.017	0.0076	

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Results for 2 year +45% CC 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	SW26	3600	12.449	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	SW28	4260	12.389	0.011	0.2	0.0099	0.0000	OK
8640 minute summer	SW29	4260	12.839	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	SW30	4260	12.353	0.011	0.2	0.0099	0.0000	OK
8640 minute summer	SW31	5160	11.862	0.204	0.2	0.0000	0.0000	OK
8640 minute summer	SW32	5160	11.862	0.208	0.1	0.0589	0.0000	SURCHARGED
8640 minute summer	SW33	5160	11.579	0.010	0.2	0.0089	0.0000	OK
8640 minute summer	SW34	6000	13.535	0.185	0.3	17.6540	0.0000	SURCHARGED
8640 minute summer	SW35	5160	11.429	0.010	0.2	0.0029	0.0000	OK
8640 minute summer	SW36	5160	11.356	0.010	0.2	0.0029	0.0000	OK
8640 minute summer	SW37	5040	11.197	0.013	0.3	0.0115	0.0000	OK
8640 minute summer	SW38	4860	12.855	0.185	0.2	8.1703	0.0000	SURCHARGED
8640 minute summer	SW39	5460	12.512	0.212	0.2	8.1611	0.0000	SURCHARGED
8640 minute summer	SW40	5160	10.239	0.001	1.0	0.0004	0.0000	OK
8640 minute summer	SW41	5460	12.379	0.159	0.2	7.6054	0.0000	SURCHARGED
8640 minute summer	SW42	4260	12.828	0.008	0.1	0.0000	0.0000	OK
8640 minute summer	SW43	4260	12.309	0.009	0.1	0.0026	0.0000	OK
8640 minute summer	SW44	4260	12.219	0.009	0.1	0.0026	0.0000	OK
8640 minute summer	SW45	4260	12.168	0.009	0.1	0.0026	0.0000	OK
8640 minute summer	SW46	4260	12.046	0.008	0.1	0.0022	0.0000	OK
8640 minute summer	SW47	4260	11.154	0.009	0.1	0.0026	0.0000	OK
8640 minute summer	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	SW49	60	11.900	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	SW50	60	11.801	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	SW26	6.002	SW28	0.1	0.304	0.017	0.0026	
8640 minute summer	SW27	7.000	SW26	0.0	0.000	0.000	0.0007	
8640 minute summer	SW28	6.003	SW30	0.2	0.328	0.011	0.0022	
8640 minute summer	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
8640 minute summer	SW30	6.004	SW31	0.2	0.332	0.011	0.0023	
8640 minute summer	SW31	Flow through Pond	SW32	0.1	0.001	0.000	6.6642	
8640 minute summer	SW32	6.005	SW33	0.1	0.261	0.013	0.0010	
8640 minute summer	SW33	6.006	SW35	0.2	0.311	0.009	0.0078	
8640 minute summer	SW34	9.000	SW33	0.1	0.346	0.010	0.0004	
8640 minute summer	SW35	6.007	SW36	0.2	0.312	0.009	0.0038	
8640 minute summer	SW36	6.008	SW37	0.2	0.254	0.009	0.0103	
8640 minute summer	SW37	6.009	SW23	0.3	0.271	0.016	0.0187	
8640 minute summer	SW38	10.000	SW37	0.1	0.384	0.015	0.0005	
8640 minute summer	SW39	11.000	SW23	0.1	0.331	0.009	0.0003	
8640 minute summer	SW40	Pump		1.0				234.2
8640 minute summer	SW41	12.000	SW40	0.1	0.338	0.009	0.0005	
8640 minute summer	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
8640 minute summer	SW43	13.001	SW44	0.1	0.286	0.017	0.0032	
8640 minute summer	SW44	13.002	SW45	0.1	0.281	0.017	0.0018	
8640 minute summer	SW45	13.003	SW46	0.1	0.310	0.017	0.0039	
8640 minute summer	SW46	13.004	SW47	0.1	0.349	0.012	0.0040	
8640 minute summer	SW47	17.000	SW55	0.1	0.286	0.017	0.0052	
8640 minute summer	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
8640 minute summer	SW49	15.000	SW50	0.0	0.000	0.000	0.0000	
8640 minute summer	SW50	15.001	SW51	0.0	0.000	0.000	0.0000	

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Results for 2 year +45% CC 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	SW51	60	11.672	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	SW52	60	11.200	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	SW53	60	11.900	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	SW54	60	11.271	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	SW55	4260	11.006	0.009	0.1	0.0006	0.0000	OK
8640 minute summer	SW56	4560	10.334	0.040	0.1	0.0000	0.0000	OK
8640 minute summer	SW57	4560	10.334	0.050	0.1	0.0142	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	SW51	15.002	SW52	0.0	0.000	0.000	0.0000	
8640 minute summer	SW52	15.003	SW47	0.0	0.000	0.000	0.0010	
8640 minute summer	SW53	16.000	SW54	0.0	0.000	0.000	0.0000	
8640 minute summer	SW54	16.001	SW52	0.0	0.000	0.000	0.0000	
8640 minute summer	SW55	17.001	SW56	0.1	0.288	0.017	0.0004	
8640 minute summer	SW56	Flow through Pond	SW57	0.1	0.004	0.000	1.5475	
8640 minute summer	SW57	17.002	SW40	0.0	0.403	0.006	0.0005	

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Results for 2 year +45% CC 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	SW1	6060	13.171	0.281	0.4	45.0072	0.0000	SURCHARGED
8640 minute winter	SW2	6060	12.592	0.010	0.2	0.0029	0.0000	OK
8640 minute winter	SW3	6060	12.454	0.010	0.2	0.0027	0.0000	OK
8640 minute winter	SW4	6060	12.239	0.010	0.2	0.0000	0.0000	OK
8640 minute winter	SW5	60	13.100	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW6	60	13.032	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW7	60	12.943	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW8	60	12.255	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW9	60	12.243	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW10	60	13.120	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW11	60	12.255	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW12	6120	11.883	0.010	0.2	0.0029	0.0000	OK
8640 minute winter	SW13	5520	11.644	0.015	0.4	0.0126	0.0000	OK
8640 minute winter	SW14	5520	13.279	0.159	0.1	5.4729	0.0000	SURCHARGED
8640 minute winter	SW15	5520	12.900	0.008	0.1	0.0023	0.0000	OK
8640 minute winter	SW16	5520	12.830	0.008	0.1	0.0023	0.0000	OK
8640 minute winter	SW17	5520	12.686	0.009	0.2	0.0079	0.0000	OK
8640 minute winter	SW18	6060	13.121	0.251	0.4	52.7322	0.0000	SURCHARGED
8640 minute winter	SW19	5520	12.564	0.011	0.3	0.0031	0.0000	OK
8640 minute winter	SW20	5460	12.720	0.150	0.1	5.5066	0.0000	SURCHARGED
8640 minute winter	SW21	5520	11.573	0.015	0.5	0.0043	0.0000	OK
8640 minute winter	SW22	5940	12.100	0.140	0.1	8.2529	0.0000	SURCHARGED
8640 minute winter	SW23	5520	11.028	0.019	0.8	0.0053	0.0000	OK
8640 minute winter	SW24	3420	12.849	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	SW25	3420	12.666	0.009	0.1	0.0026	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	SW1	1.000	SW2	0.2	0.307	0.009	0.0157	
8640 minute winter	SW2	1.001	SW3	0.2	0.322	0.009	0.0067	
8640 minute winter	SW3	1.002	SW4	0.2	0.325	0.008	0.0080	
8640 minute winter	SW4	1.008	SW12	0.2	0.311	0.009	0.0179	
8640 minute winter	SW5	1.003	SW6	0.0	0.000	0.000	0.0000	
8640 minute winter	SW6	1.004	SW7	0.0	0.000	0.000	0.0000	
8640 minute winter	SW7	1.005	SW8	0.0	0.000	0.000	0.0000	
8640 minute winter	SW8	Flow through Pond	SW9	0.0	0.000	0.000	0.0005	
8640 minute winter	SW9	1.007	SW4	0.0	0.000	0.000	0.0003	
8640 minute winter	SW10	1.006	SW11	0.0	0.000	0.000	0.0000	
8640 minute winter	SW11	Flow through Pond	SW9	0.0	0.000	0.000	0.0005	
8640 minute winter	SW12	1.009	SW13	0.2	0.269	0.009	0.0166	
8640 minute winter	SW13	1.010	SW21	0.4	0.376	0.008	0.0078	
8640 minute winter	SW14	2.000	SW15	0.1	0.269	0.013	0.0069	
8640 minute winter	SW15	2.001	SW16	0.1	0.269	0.013	0.0021	
8640 minute winter	SW16	2.002	SW17	0.1	0.249	0.013	0.0047	
8640 minute winter	SW17	2.003	SW19	0.2	0.364	0.007	0.0030	
8640 minute winter	SW18	3.000	SW17	0.1	0.339	0.004	0.0003	
8640 minute winter	SW19	2.004	SW13	0.3	0.457	0.010	0.0029	
8640 minute winter	SW20	4.000	SW19	0.1	0.209	0.013	0.0006	
8640 minute winter	SW21	1.011	SW23	0.5	0.357	0.009	0.0692	
8640 minute winter	SW22	5.000	SW21	0.1	0.172	0.008	0.0072	
8640 minute winter	SW23	6.010	SW40	0.8	0.517	0.014	0.0131	
8640 minute winter	SW24	6.000	SW25	0.1	0.289	0.017	0.0063	
8640 minute winter	SW25	6.001	SW26	0.1	0.285	0.017	0.0076	

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Results for 2 year +45% CC 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	SW26	3420	12.449	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW28	3420	12.386	0.008	0.1	0.0072	0.0000	OK
8640 minute winter	SW29	60	12.830	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW30	3420	12.350	0.008	0.1	0.0071	0.0000	OK
8640 minute winter	SW31	5340	11.835	0.177	0.1	0.0000	0.0000	OK
8640 minute winter	SW32	5340	11.835	0.181	0.1	0.0513	0.0000	SURCHARGED
8640 minute winter	SW33	5340	11.579	0.010	0.2	0.0087	0.0000	OK
8640 minute winter	SW34	6420	13.531	0.181	0.2	17.2224	0.0000	SURCHARGED
8640 minute winter	SW35	5340	11.429	0.010	0.2	0.0029	0.0000	OK
8640 minute winter	SW36	5340	11.356	0.010	0.2	0.0028	0.0000	OK
8640 minute winter	SW37	5400	11.197	0.013	0.3	0.0109	0.0000	OK
8640 minute winter	SW38	6120	12.783	0.113	0.2	4.9123	0.0000	SURCHARGED
8640 minute winter	SW39	5880	12.507	0.207	0.1	7.9363	0.0000	SURCHARGED
8640 minute winter	SW40	5520	10.238	0.000	0.9	0.0004	0.0000	OK
8640 minute winter	SW41	5880	12.372	0.152	0.1	7.2598	0.0000	SURCHARGED
8640 minute winter	SW42	60	12.820	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW43	60	12.300	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW44	60	12.210	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW45	60	12.159	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW46	60	12.038	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW47	60	11.145	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW49	60	11.900	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW50	60	11.801	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	SW26	6.002	SW28	0.1	0.304	0.017	0.0020	
8640 minute winter	SW27	7.000	SW26	0.0	0.000	0.000	0.0007	
8640 minute winter	SW28	6.003	SW30	0.1	0.267	0.006	0.0013	
8640 minute winter	SW29	8.000	SW28	0.0	0.000	0.000	0.0000	
8640 minute winter	SW30	6.004	SW31	0.1	0.269	0.006	0.0014	
8640 minute winter	SW31	Flow through Pond	SW32	0.1	0.001	0.000	5.7935	
8640 minute winter	SW32	6.005	SW33	0.1	0.255	0.012	0.0010	
8640 minute winter	SW33	6.006	SW35	0.2	0.307	0.009	0.0075	
8640 minute winter	SW34	9.000	SW33	0.1	0.344	0.010	0.0004	
8640 minute winter	SW35	6.007	SW36	0.2	0.308	0.009	0.0037	
8640 minute winter	SW36	6.008	SW37	0.2	0.259	0.009	0.0097	
8640 minute winter	SW37	6.009	SW23	0.3	0.259	0.014	0.0173	
8640 minute winter	SW38	10.000	SW37	0.1	0.355	0.011	0.0004	
8640 minute winter	SW39	11.000	SW23	0.1	0.329	0.009	0.0003	
8640 minute winter	SW40	Pump		0.9				237.4
8640 minute winter	SW41	12.000	SW40	0.1	0.336	0.009	0.0005	
8640 minute winter	SW42	13.000	SW43	0.0	0.000	0.000	0.0000	
8640 minute winter	SW43	13.001	SW44	0.0	0.000	0.000	0.0000	
8640 minute winter	SW44	13.002	SW45	0.0	0.000	0.000	0.0000	
8640 minute winter	SW45	13.003	SW46	0.0	0.000	0.000	0.0000	
8640 minute winter	SW46	13.004	SW47	0.0	0.000	0.000	0.0000	
8640 minute winter	SW47	17.000	SW55	0.0	0.000	0.000	0.0000	
8640 minute winter	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
8640 minute winter	SW49	15.000	SW50	0.0	0.000	0.000	0.0000	
8640 minute winter	SW50	15.001	SW51	0.0	0.000	0.000	0.0000	

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Results for 2 year +45% CC 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	SW51	60	11.672	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW52	60	11.200	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW53	60	11.900	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW54	60	11.271	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW55	60	10.997	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW56	60	10.294	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW57	60	10.284	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	SW51	15.002	SW52	0.0	0.000	0.000	0.0000	
8640 minute winter	SW52	15.003	SW47	0.0	0.000	0.000	0.0000	
8640 minute winter	SW53	16.000	SW54	0.0	0.000	0.000	0.0000	
8640 minute winter	SW54	16.001	SW52	0.0	0.000	0.000	0.0000	
8640 minute winter	SW55	17.001	SW56	0.0	0.000	0.000	0.0000	
8640 minute winter	SW56	Flow through Pond	SW57	0.0	0.000	0.000	0.0010	
8640 minute winter	SW57	17.002	SW40	0.0	0.000	0.000	0.0000	

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Results for 2 year +45% CC 10080 minute summer. 10320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	SW1	6540	13.195	0.305	0.6	48.9356	0.0000	SURCHARGED
10080 minute summer	SW2	6540	12.592	0.010	0.2	0.0030	0.0000	OK
10080 minute summer	SW3	6540	12.454	0.010	0.2	0.0027	0.0000	OK
10080 minute summer	SW4	5520	12.241	0.012	0.2	0.0000	0.0000	OK
10080 minute summer	SW5	4740	13.109	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	SW6	4740	13.041	0.009	0.1	0.0014	0.0000	OK
10080 minute summer	SW7	4740	12.952	0.009	0.1	0.0007	0.0000	OK
10080 minute summer	SW8	5460	12.386	0.131	0.1	0.0000	0.0000	OK
10080 minute summer	SW9	5460	12.386	0.143	0.1	0.0405	0.0000	SURCHARGED
10080 minute summer	SW10	60	13.120	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SW11	5460	12.386	0.131	0.0	0.0000	0.0000	OK
10080 minute summer	SW12	5520	11.885	0.012	0.2	0.0033	0.0000	OK
10080 minute summer	SW13	6060	11.644	0.015	0.5	0.0132	0.0000	OK
10080 minute summer	SW14	6060	13.267	0.147	0.1	5.0305	0.0000	SURCHARGED
10080 minute summer	SW15	6060	12.900	0.008	0.1	0.0023	0.0000	OK
10080 minute summer	SW16	6060	12.830	0.008	0.1	0.0023	0.0000	OK
10080 minute summer	SW17	6060	12.686	0.009	0.2	0.0079	0.0000	OK
10080 minute summer	SW18	6540	13.138	0.268	0.6	56.3000	0.0000	SURCHARGED
10080 minute summer	SW19	6060	12.564	0.011	0.3	0.0031	0.0000	OK
10080 minute summer	SW20	6060	12.712	0.142	0.1	5.1840	0.0000	SURCHARGED
10080 minute summer	SW21	6060	11.574	0.016	0.5	0.0045	0.0000	OK
10080 minute summer	SW22	6420	12.128	0.168	0.2	9.9565	0.0000	SURCHARGED
10080 minute summer	SW23	6000	11.029	0.020	0.9	0.0056	0.0000	OK
10080 minute summer	SW24	5220	12.849	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	SW25	4980	12.666	0.009	0.1	0.0026	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	SW1	1.000	SW2	0.2	0.311	0.009	0.0161	
10080 minute summer	SW2	1.001	SW3	0.2	0.325	0.009	0.0069	
10080 minute summer	SW3	1.002	SW4	0.2	0.327	0.008	0.0090	
10080 minute summer	SW4	1.008	SW12	0.2	0.341	0.012	0.0222	
10080 minute summer	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
10080 minute summer	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
10080 minute summer	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
10080 minute summer	SW8	Flow through Pond	SW9	0.1	0.002	0.000	2.3445	
10080 minute summer	SW9	1.007	SW4	0.1	0.169	0.010	0.0005	
10080 minute summer	SW10	1.006	SW11	0.0	0.000	0.000	0.0000	
10080 minute summer	SW11	Flow through Pond	SW9	0.1	0.002	0.000	2.3445	
10080 minute summer	SW12	1.009	SW13	0.2	0.278	0.012	0.0188	
10080 minute summer	SW13	1.010	SW21	0.5	0.386	0.009	0.0084	
10080 minute summer	SW14	2.000	SW15	0.1	0.266	0.013	0.0067	
10080 minute summer	SW15	2.001	SW16	0.1	0.266	0.013	0.0020	
10080 minute summer	SW16	2.002	SW17	0.1	0.242	0.013	0.0047	
10080 minute summer	SW17	2.003	SW19	0.2	0.365	0.007	0.0030	
10080 minute summer	SW18	3.000	SW17	0.1	0.342	0.004	0.0003	
10080 minute summer	SW19	2.004	SW13	0.3	0.456	0.010	0.0029	
10080 minute summer	SW20	4.000	SW19	0.1	0.205	0.013	0.0006	
10080 minute summer	SW21	1.011	SW23	0.5	0.368	0.010	0.0745	
10080 minute summer	SW22	5.000	SW21	0.1	0.179	0.008	0.0077	
10080 minute summer	SW23	6.010	SW40	0.9	0.535	0.015	0.0141	
10080 minute summer	SW24	6.000	SW25	0.1	0.289	0.017	0.0063	
10080 minute summer	SW25	6.001	SW26	0.1	0.289	0.017	0.0076	

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Results for 2 year +45% CC 10080 minute summer. 10320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	SW26	4260	12.449	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SW28	5040	12.389	0.011	0.2	0.0099	0.0000	OK
10080 minute summer	SW29	5040	12.839	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	SW30	5040	12.353	0.011	0.2	0.0099	0.0000	OK
10080 minute summer	SW31	5940	11.853	0.195	0.2	0.0000	0.0000	OK
10080 minute summer	SW32	5940	11.853	0.199	0.1	0.0563	0.0000	SURCHARGED
10080 minute summer	SW33	5940	11.579	0.010	0.2	0.0089	0.0000	OK
10080 minute summer	SW34	6900	13.541	0.191	0.3	18.1586	0.0000	SURCHARGED
10080 minute summer	SW35	5940	11.429	0.010	0.2	0.0029	0.0000	OK
10080 minute summer	SW36	5940	11.356	0.010	0.2	0.0029	0.0000	OK
10080 minute summer	SW37	5940	11.197	0.013	0.3	0.0115	0.0000	OK
10080 minute summer	SW38	5580	12.859	0.189	0.2	8.3297	0.0000	SURCHARGED
10080 minute summer	SW39	6360	12.527	0.227	0.2	8.7316	0.0000	SURCHARGED
10080 minute summer	SW40	5880	10.239	0.001	1.0	0.0004	0.0000	OK
10080 minute summer	SW41	6360	12.389	0.169	0.2	8.0798	0.0000	SURCHARGED
10080 minute summer	SW42	5040	12.828	0.008	0.1	0.0000	0.0000	OK
10080 minute summer	SW43	5040	12.309	0.009	0.1	0.0026	0.0000	OK
10080 minute summer	SW44	5040	12.219	0.009	0.1	0.0026	0.0000	OK
10080 minute summer	SW45	5040	12.168	0.009	0.1	0.0026	0.0000	OK
10080 minute summer	SW46	5040	12.046	0.008	0.1	0.0022	0.0000	OK
10080 minute summer	SW47	5040	11.154	0.009	0.1	0.0026	0.0000	OK
10080 minute summer	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SW49	60	11.900	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SW50	60	11.801	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	SW26	6.002	SW28	0.1	0.304	0.017	0.0026	
10080 minute summer	SW27	7.000	SW26	0.0	0.000	0.000	0.0007	
10080 minute summer	SW28	6.003	SW30	0.2	0.328	0.011	0.0022	
10080 minute summer	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
10080 minute summer	SW30	6.004	SW31	0.2	0.332	0.011	0.0023	
10080 minute summer	SW31	Flow through Pond	SW32	0.1	0.001	0.000	6.3585	
10080 minute summer	SW32	6.005	SW33	0.1	0.259	0.012	0.0010	
10080 minute summer	SW33	6.006	SW35	0.2	0.311	0.009	0.0078	
10080 minute summer	SW34	9.000	SW33	0.1	0.347	0.010	0.0004	
10080 minute summer	SW35	6.007	SW36	0.2	0.312	0.009	0.0038	
10080 minute summer	SW36	6.008	SW37	0.2	0.254	0.009	0.0103	
10080 minute summer	SW37	6.009	SW23	0.3	0.270	0.016	0.0187	
10080 minute summer	SW38	10.000	SW37	0.1	0.386	0.015	0.0005	
10080 minute summer	SW39	11.000	SW23	0.1	0.334	0.009	0.0003	
10080 minute summer	SW40	Pump		1.0				264.6
10080 minute summer	SW41	12.000	SW40	0.1	0.341	0.010	0.0005	
10080 minute summer	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
10080 minute summer	SW43	13.001	SW44	0.1	0.286	0.017	0.0032	
10080 minute summer	SW44	13.002	SW45	0.1	0.281	0.017	0.0018	
10080 minute summer	SW45	13.003	SW46	0.1	0.310	0.017	0.0039	
10080 minute summer	SW46	13.004	SW47	0.1	0.349	0.012	0.0040	
10080 minute summer	SW47	17.000	SW55	0.1	0.286	0.017	0.0052	
10080 minute summer	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
10080 minute summer	SW49	15.000	SW50	0.0	0.000	0.000	0.0000	
10080 minute summer	SW50	15.001	SW51	0.0	0.000	0.000	0.0000	

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Results for 2 year +45% CC 10080 minute summer. 10320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	SW51	60	11.672	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SW52	60	11.200	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SW53	60	11.900	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SW54	60	11.271	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SW55	5040	11.006	0.009	0.1	0.0006	0.0000	OK
10080 minute summer	SW56	5220	10.320	0.026	0.1	0.0000	0.0000	OK
10080 minute summer	SW57	5220	10.320	0.036	0.1	0.0103	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	SW51	15.002	SW52	0.0	0.000	0.000	0.0000	
10080 minute summer	SW52	15.003	SW47	0.0	0.000	0.000	0.0010	
10080 minute summer	SW53	16.000	SW54	0.0	0.000	0.000	0.0000	
10080 minute summer	SW54	16.001	SW52	0.0	0.000	0.000	0.0000	
10080 minute summer	SW55	17.001	SW56	0.1	0.288	0.017	0.0004	
10080 minute summer	SW56	Flow through Pond	SW57	0.1	0.004	0.000	1.0773	
10080 minute summer	SW57	17.002	SW40	0.0	0.380	0.005	0.0005	

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Results for 2 year +45% CC 10080 minute winter. 10320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	SW1	6960	13.178	0.288	0.4	46.2595	0.0000	SURCHARGED
10080 minute winter	SW2	6960	12.592	0.010	0.2	0.0029	0.0000	OK
10080 minute winter	SW3	6960	12.454	0.010	0.2	0.0027	0.0000	OK
10080 minute winter	SW4	6960	12.239	0.010	0.2	0.0000	0.0000	OK
10080 minute winter	SW5	60	13.100	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW6	60	13.032	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW7	60	12.943	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW8	60	12.255	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW9	60	12.243	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW10	60	13.120	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW11	60	12.255	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW12	6960	11.883	0.010	0.2	0.0029	0.0000	OK
10080 minute winter	SW13	6300	11.644	0.015	0.4	0.0126	0.0000	OK
10080 minute winter	SW14	6360	13.287	0.166	0.1	5.7304	0.0000	SURCHARGED
10080 minute winter	SW15	6360	12.900	0.008	0.1	0.0023	0.0000	OK
10080 minute winter	SW16	6360	12.830	0.008	0.1	0.0023	0.0000	OK
10080 minute winter	SW17	6360	12.686	0.009	0.2	0.0080	0.0000	OK
10080 minute winter	SW18	6960	13.132	0.262	0.4	55.0242	0.0000	SURCHARGED
10080 minute winter	SW19	6300	12.564	0.011	0.3	0.0031	0.0000	OK
10080 minute winter	SW20	6240	12.724	0.154	0.1	5.6557	0.0000	SURCHARGED
10080 minute winter	SW21	6300	11.573	0.015	0.5	0.0043	0.0000	OK
10080 minute winter	SW22	6840	12.108	0.148	0.1	8.7379	0.0000	SURCHARGED
10080 minute winter	SW23	6300	11.028	0.019	0.8	0.0054	0.0000	OK
10080 minute winter	SW24	4080	12.849	0.009	0.1	0.0000	0.0000	OK
10080 minute winter	SW25	4080	12.666	0.009	0.1	0.0026	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	SW1	1.000	SW2	0.2	0.308	0.009	0.0158	
10080 minute winter	SW2	1.001	SW3	0.2	0.323	0.009	0.0068	
10080 minute winter	SW3	1.002	SW4	0.2	0.327	0.008	0.0081	
10080 minute winter	SW4	1.008	SW12	0.2	0.312	0.009	0.0181	
10080 minute winter	SW5	1.003	SW6	0.0	0.000	0.000	0.0000	
10080 minute winter	SW6	1.004	SW7	0.0	0.000	0.000	0.0000	
10080 minute winter	SW7	1.005	SW8	0.0	0.000	0.000	0.0000	
10080 minute winter	SW8	Flow through Pond	SW9	0.0	0.000	0.000	0.0005	
10080 minute winter	SW9	1.007	SW4	0.0	0.000	0.000	0.0003	
10080 minute winter	SW10	1.006	SW11	0.0	0.000	0.000	0.0000	
10080 minute winter	SW11	Flow through Pond	SW9	0.0	0.000	0.000	0.0005	
10080 minute winter	SW12	1.009	SW13	0.2	0.270	0.009	0.0168	
10080 minute winter	SW13	1.010	SW21	0.4	0.377	0.008	0.0079	
10080 minute winter	SW14	2.000	SW15	0.1	0.271	0.014	0.0070	
10080 minute winter	SW15	2.001	SW16	0.1	0.271	0.014	0.0021	
10080 minute winter	SW16	2.002	SW17	0.1	0.252	0.014	0.0048	
10080 minute winter	SW17	2.003	SW19	0.2	0.367	0.007	0.0031	
10080 minute winter	SW18	3.000	SW17	0.1	0.341	0.004	0.0003	
10080 minute winter	SW19	2.004	SW13	0.3	0.459	0.010	0.0030	
10080 minute winter	SW20	4.000	SW19	0.1	0.210	0.013	0.0007	
10080 minute winter	SW21	1.011	SW23	0.5	0.359	0.009	0.0698	
10080 minute winter	SW22	5.000	SW21	0.1	0.175	0.008	0.0073	
10080 minute winter	SW23	6.010	SW40	0.8	0.519	0.014	0.0132	
10080 minute winter	SW24	6.000	SW25	0.1	0.289	0.017	0.0063	
10080 minute winter	SW25	6.001	SW26	0.1	0.285	0.017	0.0076	

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Results for 2 year +45% CC 10080 minute winter. 10320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	SW26	4080	12.449	0.009	0.1	0.0000	0.0000	OK
10080 minute winter	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW28	4080	12.386	0.008	0.1	0.0072	0.0000	OK
10080 minute winter	SW29	60	12.830	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW30	4080	12.350	0.008	0.1	0.0071	0.0000	OK
10080 minute winter	SW31	6120	11.842	0.184	0.1	0.0000	0.0000	OK
10080 minute winter	SW32	6120	11.842	0.188	0.1	0.0531	0.0000	SURCHARGED
10080 minute winter	SW33	6120	11.579	0.010	0.2	0.0088	0.0000	OK
10080 minute winter	SW34	7380	13.532	0.182	0.2	17.3328	0.0000	SURCHARGED
10080 minute winter	SW35	6120	11.429	0.010	0.2	0.0029	0.0000	OK
10080 minute winter	SW36	6120	11.356	0.010	0.2	0.0029	0.0000	OK
10080 minute winter	SW37	6180	11.197	0.013	0.2	0.0108	0.0000	OK
10080 minute winter	SW38	7080	12.781	0.111	0.1	4.7949	0.0000	SURCHARGED
10080 minute winter	SW39	6720	12.517	0.217	0.1	8.3582	0.0000	SURCHARGED
10080 minute winter	SW40	6300	10.239	0.000	0.9	0.0004	0.0000	OK
10080 minute winter	SW41	6720	12.379	0.159	0.1	7.6100	0.0000	SURCHARGED
10080 minute winter	SW42	60	12.820	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW43	60	12.300	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW44	60	12.210	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW45	60	12.159	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW46	60	12.038	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW47	60	11.145	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW49	60	11.900	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW50	60	11.801	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	SW26	6.002	SW28	0.1	0.304	0.017	0.0020	
10080 minute winter	SW27	7.000	SW26	0.0	0.000	0.000	0.0007	
10080 minute winter	SW28	6.003	SW30	0.1	0.267	0.006	0.0013	
10080 minute winter	SW29	8.000	SW28	0.0	0.000	0.000	0.0000	
10080 minute winter	SW30	6.004	SW31	0.1	0.269	0.006	0.0014	
10080 minute winter	SW31	Flow through Pond	SW32	0.1	0.001	0.000	5.9998	
10080 minute winter	SW32	6.005	SW33	0.1	0.257	0.012	0.0010	
10080 minute winter	SW33	6.006	SW35	0.2	0.308	0.009	0.0076	
10080 minute winter	SW34	9.000	SW33	0.1	0.345	0.010	0.0004	
10080 minute winter	SW35	6.007	SW36	0.2	0.308	0.009	0.0037	
10080 minute winter	SW36	6.008	SW37	0.2	0.261	0.009	0.0097	
10080 minute winter	SW37	6.009	SW23	0.2	0.256	0.014	0.0174	
10080 minute winter	SW38	10.000	SW37	0.1	0.354	0.011	0.0004	
10080 minute winter	SW39	11.000	SW23	0.1	0.332	0.009	0.0003	
10080 minute winter	SW40	Pump		0.9				269.2
10080 minute winter	SW41	12.000	SW40	0.1	0.338	0.009	0.0005	
10080 minute winter	SW42	13.000	SW43	0.0	0.000	0.000	0.0000	
10080 minute winter	SW43	13.001	SW44	0.0	0.000	0.000	0.0000	
10080 minute winter	SW44	13.002	SW45	0.0	0.000	0.000	0.0000	
10080 minute winter	SW45	13.003	SW46	0.0	0.000	0.000	0.0000	
10080 minute winter	SW46	13.004	SW47	0.0	0.000	0.000	0.0000	
10080 minute winter	SW47	17.000	SW55	0.0	0.000	0.000	0.0000	
10080 minute winter	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
10080 minute winter	SW49	15.000	SW50	0.0	0.000	0.000	0.0000	
10080 minute winter	SW50	15.001	SW51	0.0	0.000	0.000	0.0000	

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Results for 2 year +45% CC 10080 minute winter. 10320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	SW51	60	11.672	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW52	60	11.200	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW53	60	11.900	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW54	60	11.271	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW55	60	10.997	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW56	60	10.294	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW57	60	10.284	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	SW51	15.002	SW52	0.0	0.000	0.000	0.0000	
10080 minute winter	SW52	15.003	SW47	0.0	0.000	0.000	0.0000	
10080 minute winter	SW53	16.000	SW54	0.0	0.000	0.000	0.0000	
10080 minute winter	SW54	16.001	SW52	0.0	0.000	0.000	0.0000	
10080 minute winter	SW55	17.001	SW56	0.0	0.000	0.000	0.0000	
10080 minute winter	SW56	Flow through Pond	SW57	0.0	0.000	0.000	0.0010	
10080 minute winter	SW57	17.002	SW40	0.0	0.000	0.000	0.0000	

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Results for 30 year +45% CC 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW1	20	13.041	0.151	55.2	23.8007	0.0000	SURCHARGED
15 minute summer	SW2	23	12.591	0.009	0.1	0.0025	0.0000	OK
15 minute summer	SW3	25	12.452	0.008	0.1	0.0023	0.0000	OK
15 minute summer	SW4	24	12.240	0.011	0.2	0.0000	0.0000	OK
15 minute summer	SW5	10	13.191	0.091	6.2	0.0000	0.0000	OK
15 minute summer	SW6	11	13.127	0.095	6.1	0.0150	0.0000	OK
15 minute summer	SW7	11	13.033	0.090	6.0	0.0064	0.0000	OK
15 minute summer	SW8	22	12.476	0.221	6.0	0.0000	0.0000	OK
15 minute summer	SW9	22	12.476	0.233	4.5	0.0659	0.0000	SURCHARGED
15 minute summer	SW10	10	13.157	0.037	4.1	0.0000	0.0000	OK
15 minute summer	SW11	22	12.476	0.221	4.1	0.0000	0.0000	OK
15 minute summer	SW12	27	11.884	0.011	0.2	0.0031	0.0000	OK
15 minute summer	SW13	26	11.643	0.014	0.4	0.0125	0.0000	OK
15 minute summer	SW14	20	13.266	0.146	11.7	5.0125	0.0000	SURCHARGED
15 minute summer	SW15	22	12.900	0.008	0.1	0.0023	0.0000	OK
15 minute summer	SW16	23	12.830	0.008	0.1	0.0023	0.0000	OK
15 minute summer	SW17	24	12.685	0.008	0.1	0.0071	0.0000	OK
15 minute summer	SW18	20	12.981	0.111	52.5	22.6309	0.0000	OK
15 minute summer	SW19	24	12.563	0.010	0.2	0.0029	0.0000	OK
15 minute summer	SW20	20	12.700	0.130	11.0	4.7220	0.0000	SURCHARGED
15 minute summer	SW21	28	11.573	0.015	0.5	0.0043	0.0000	OK
15 minute summer	SW22	20	12.082	0.122	16.6	7.1081	0.0000	SURCHARGED
15 minute summer	SW23	29	11.028	0.019	0.8	0.0054	0.0000	OK
15 minute summer	SW24	11	13.340	0.500	10.4	0.0000	0.0000	FLOOD RISK
15 minute summer	SW25	13	13.046	0.389	8.3	0.1101	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	SW1	1.000	SW2	0.1	0.279	0.006	0.0125	
15 minute summer	SW2	1.001	SW3	0.1	0.290	0.006	0.0054	
15 minute summer	SW3	1.002	SW4	0.1	0.242	0.006	0.0079	
15 minute summer	SW4	1.008	SW12	0.2	0.351	0.011	0.0208	
15 minute summer	SW5	1.003	SW6	6.1	0.823	1.003	0.0515	
15 minute summer	SW6	1.004	SW7	6.0	0.801	0.998	0.0666	
15 minute summer	SW7	1.005	SW8	6.0	0.854	0.998	0.0073	
15 minute summer	SW8	Flow through Pond	SW9	4.5	0.079	0.001	3.8808	
15 minute summer	SW9	1.007	SW4	0.1	0.305	0.013	0.0005	
15 minute summer	SW10	1.006	SW11	4.1	1.551	0.291	0.0088	
15 minute summer	SW11	Flow through Pond	SW9	4.5	0.079	0.001	3.8808	
15 minute summer	SW12	1.009	SW13	0.2	0.270	0.011	0.0176	
15 minute summer	SW13	1.010	SW21	0.4	0.376	0.008	0.0078	
15 minute summer	SW14	2.000	SW15	0.1	0.269	0.013	0.0067	
15 minute summer	SW15	2.001	SW16	0.1	0.304	0.013	0.0020	
15 minute summer	SW16	2.002	SW17	0.1	0.262	0.013	0.0043	
15 minute summer	SW17	2.003	SW19	0.1	0.331	0.006	0.0026	
15 minute summer	SW18	3.000	SW17	0.1	0.304	0.003	0.0002	
15 minute summer	SW19	2.004	SW13	0.2	0.434	0.009	0.0026	
15 minute summer	SW20	4.000	SW19	0.1	0.264	0.012	0.0006	
15 minute summer	SW21	1.011	SW23	0.5	0.351	0.009	0.0696	
15 minute summer	SW22	5.000	SW21	0.1	0.376	0.007	0.0071	
15 minute summer	SW23	6.010	SW40	0.8	0.521	0.014	0.0133	
15 minute summer	SW24	6.000	SW25	8.3	1.062	1.377	0.1432	
15 minute summer	SW25	6.001	SW26	7.7	0.984	1.276	0.1699	

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Results for 30 year +45% CC 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW26	12	12.661	0.221	9.2	0.0000	0.0000	SURCHARGED
15 minute summer	SW27	10	12.823	0.023	2.1	0.0000	0.0000	OK
15 minute summer	SW28	11	12.493	0.115	13.3	0.0996	0.0000	OK
15 minute summer	SW29	10	12.901	0.071	4.8	0.0000	0.0000	OK
15 minute summer	SW30	11	12.445	0.103	13.2	0.0896	0.0000	OK
15 minute summer	SW31	25	11.882	0.224	13.2	0.0000	0.0000	OK
15 minute summer	SW32	25	11.882	0.228	8.2	0.0644	0.0000	SURCHARGED
15 minute summer	SW33	26	11.579	0.010	0.1	0.0085	0.0000	OK
15 minute summer	SW34	20	13.464	0.114	24.9	10.6941	0.0000	SURCHARGED
15 minute summer	SW35	26	11.429	0.010	0.1	0.0028	0.0000	OK
15 minute summer	SW36	27	11.356	0.010	0.1	0.0028	0.0000	OK
15 minute summer	SW37	27	11.197	0.013	0.3	0.0114	0.0000	OK
15 minute summer	SW38	20	12.863	0.193	20.0	8.5508	0.0000	SURCHARGED
15 minute summer	SW39	20	12.470	0.170	15.2	6.5097	0.0000	SURCHARGED
15 minute summer	SW40	6	10.239	0.001	1.0	0.0004	0.0000	OK
15 minute summer	SW41	20	12.357	0.137	15.2	6.5049	0.0000	SURCHARGED
15 minute summer	SW42	10	12.877	0.057	4.8	0.0000	0.0000	OK
15 minute summer	SW43	11	12.377	0.077	4.8	0.0219	0.0000	OK
15 minute summer	SW44	12	12.333	0.123	4.8	0.0349	0.0000	SURCHARGED
15 minute summer	SW45	11	12.297	0.138	7.0	0.0390	0.0000	SURCHARGED
15 minute summer	SW46	11	12.128	0.090	8.0	0.0256	0.0000	OK
15 minute summer	SW47	13	11.820	0.675	12.5	0.1909	0.0000	SURCHARGED
15 minute summer	SW48	10	11.941	0.041	2.1	0.0000	0.0000	OK
15 minute summer	SW49	10	11.947	0.047	2.8	0.0000	0.0000	OK
15 minute summer	SW50	13	11.877	0.076	4.2	0.0121	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	SW26	6.002	SW28	9.2	1.171	1.517	0.0484	
15 minute summer	SW27	7.000	SW26	2.1	0.819	0.112	0.0176	
15 minute summer	SW28	6.003	SW30	13.2	0.962	0.744	0.0493	
15 minute summer	SW29	8.000	SW28	4.8	0.830	0.789	0.0282	
15 minute summer	SW30	6.004	SW31	13.2	1.059	0.741	0.0476	
15 minute summer	SW31	Flow through Pond	SW32	8.2	0.024	0.000	7.2903	
15 minute summer	SW32	6.005	SW33	0.1	0.265	0.013	0.0011	
15 minute summer	SW33	6.006	SW35	0.1	0.303	0.008	0.0073	
15 minute summer	SW34	9.000	SW33	0.1	0.321	0.008	0.0003	
15 minute summer	SW35	6.007	SW36	0.1	0.340	0.008	0.0036	
15 minute summer	SW36	6.008	SW37	0.1	0.241	0.008	0.0099	
15 minute summer	SW37	6.009	SW23	0.3	0.308	0.016	0.0179	
15 minute summer	SW38	10.000	SW37	0.1	0.387	0.015	0.0005	
15 minute summer	SW39	11.000	SW23	0.1	0.320	0.008	0.0003	
15 minute summer	SW40	Pump		1.0				13.7
15 minute summer	SW41	12.000	SW40	0.1	0.330	0.009	0.0005	
15 minute summer	SW42	13.000	SW43	4.8	1.081	0.556	0.0158	
15 minute summer	SW43	13.001	SW44	4.8	0.752	0.789	0.0645	
15 minute summer	SW44	13.002	SW45	4.4	0.584	0.731	0.0402	
15 minute summer	SW45	13.003	SW46	6.8	0.870	1.126	0.0922	
15 minute summer	SW46	13.004	SW47	8.0	1.127	1.000	0.1042	
15 minute summer	SW47	17.000	SW55	11.7	1.498	1.941	0.1160	
15 minute summer	SW48	14.000	SW47	2.1	0.694	0.344	0.0465	
15 minute summer	SW49	15.000	SW50	2.8	0.616	0.458	0.0444	
15 minute summer	SW50	15.001	SW51	4.1	0.898	0.679	0.0918	

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Results for 30 year +45% CC 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW51	13	11.866	0.194	4.1	0.0308	0.0000	SURCHARGED
15 minute summer	SW52	13	11.842	0.642	4.8	0.1816	0.0000	SURCHARGED
15 minute summer	SW53	10	11.957	0.057	3.5	0.0000	0.0000	OK
15 minute summer	SW54	13	11.849	0.578	3.5	0.1635	0.0000	SURCHARGED
15 minute summer	SW55	13	11.159	0.162	11.7	0.0115	0.0000	SURCHARGED
15 minute summer	SW56	28	10.517	0.224	11.7	0.0000	0.0000	OK
15 minute summer	SW57	25	10.518	0.234	9.3	0.0661	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	SW51	15.002	SW52	4.0	0.595	0.473	0.1930	
15 minute summer	SW52	15.003	SW47	6.2	0.792	1.026	0.0434	
15 minute summer	SW53	16.000	SW54	3.5	0.771	0.574	0.0153	
15 minute summer	SW54	16.001	SW52	2.6	0.495	0.432	0.0558	
15 minute summer	SW55	17.001	SW56	11.7	1.493	1.935	0.0097	
15 minute summer	SW56	Flow through Pond	SW57	9.3	0.069	0.001	7.8209	
15 minute summer	SW57	17.002	SW40	0.1	0.531	0.013	0.0009	

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Results for 30 year +45% CC 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	SW1	20	13.041	0.151	51.8	23.8148	0.0000	SURCHARGED
15 minute winter	SW2	23	12.591	0.009	0.1	0.0025	0.0000	OK
15 minute winter	SW3	25	12.452	0.008	0.1	0.0023	0.0000	OK
15 minute winter	SW4	24	12.240	0.011	0.2	0.0000	0.0000	OK
15 minute winter	SW5	10	13.183	0.083	5.8	0.0000	0.0000	OK
15 minute winter	SW6	11	13.117	0.085	5.7	0.0135	0.0000	OK
15 minute winter	SW7	11	13.029	0.086	5.7	0.0061	0.0000	OK
15 minute winter	SW8	22	12.476	0.221	5.7	0.0000	0.0000	OK
15 minute winter	SW9	22	12.476	0.233	5.7	0.0658	0.0000	SURCHARGED
15 minute winter	SW10	10	13.156	0.036	3.9	0.0000	0.0000	OK
15 minute winter	SW11	22	12.476	0.221	3.9	0.0000	0.0000	OK
15 minute winter	SW12	27	11.884	0.011	0.2	0.0031	0.0000	OK
15 minute winter	SW13	26	11.643	0.014	0.4	0.0125	0.0000	OK
15 minute winter	SW14	20	13.267	0.147	11.0	5.0331	0.0000	SURCHARGED
15 minute winter	SW15	22	12.900	0.008	0.1	0.0023	0.0000	OK
15 minute winter	SW16	23	12.830	0.008	0.1	0.0023	0.0000	OK
15 minute winter	SW17	24	12.685	0.008	0.1	0.0071	0.0000	OK
15 minute winter	SW18	20	12.981	0.111	49.2	22.6509	0.0000	OK
15 minute winter	SW19	24	12.563	0.010	0.2	0.0029	0.0000	OK
15 minute winter	SW20	20	12.700	0.130	10.4	4.7248	0.0000	SURCHARGED
15 minute winter	SW21	28	11.573	0.015	0.5	0.0043	0.0000	OK
15 minute winter	SW22	20	12.082	0.122	15.5	7.1049	0.0000	SURCHARGED
15 minute winter	SW23	29	11.028	0.019	0.8	0.0054	0.0000	OK
15 minute winter	SW24	12	13.321	0.481	9.7	0.0000	0.0000	FLOOD RISK
15 minute winter	SW25	13	12.995	0.338	7.9	0.0957	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	SW1	1.000	SW2	0.1	0.279	0.006	0.0125	
15 minute winter	SW2	1.001	SW3	0.1	0.290	0.006	0.0054	
15 minute winter	SW3	1.002	SW4	0.1	0.242	0.006	0.0079	
15 minute winter	SW4	1.008	SW12	0.2	0.350	0.011	0.0208	
15 minute winter	SW5	1.003	SW6	5.7	0.817	0.947	0.0477	
15 minute winter	SW6	1.004	SW7	5.7	0.797	0.936	0.0630	
15 minute winter	SW7	1.005	SW8	5.7	0.831	0.941	0.0071	
15 minute winter	SW8	Flow through Pond	SW9	5.7	0.073	0.002	3.8736	
15 minute winter	SW9	1.007	SW4	0.1	0.307	0.013	0.0005	
15 minute winter	SW10	1.006	SW11	3.9	1.529	0.276	0.0084	
15 minute winter	SW11	Flow through Pond	SW9	5.7	0.073	0.002	3.8736	
15 minute winter	SW12	1.009	SW13	0.2	0.270	0.011	0.0176	
15 minute winter	SW13	1.010	SW21	0.4	0.376	0.008	0.0078	
15 minute winter	SW14	2.000	SW15	0.1	0.273	0.013	0.0067	
15 minute winter	SW15	2.001	SW16	0.1	0.303	0.013	0.0020	
15 minute winter	SW16	2.002	SW17	0.1	0.262	0.013	0.0043	
15 minute winter	SW17	2.003	SW19	0.1	0.332	0.006	0.0026	
15 minute winter	SW18	3.000	SW17	0.1	0.304	0.003	0.0002	
15 minute winter	SW19	2.004	SW13	0.2	0.434	0.009	0.0026	
15 minute winter	SW20	4.000	SW19	0.1	0.269	0.012	0.0006	
15 minute winter	SW21	1.011	SW23	0.5	0.351	0.009	0.0696	
15 minute winter	SW22	5.000	SW21	0.1	0.378	0.007	0.0071	
15 minute winter	SW23	6.010	SW40	0.8	0.521	0.014	0.0133	
15 minute winter	SW24	6.000	SW25	7.9	1.007	1.305	0.1432	
15 minute winter	SW25	6.001	SW26	7.4	0.941	1.220	0.1699	

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Results for 30 year +45% CC 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	SW26	12	12.641	0.201	8.7	0.0000	0.0000	SURCHARGED
15 minute winter	SW27	10	12.822	0.022	1.9	0.0000	0.0000	OK
15 minute winter	SW28	11	12.488	0.110	12.6	0.0955	0.0000	OK
15 minute winter	SW29	10	12.897	0.067	4.5	0.0000	0.0000	OK
15 minute winter	SW30	11	12.442	0.100	12.6	0.0865	0.0000	OK
15 minute winter	SW31	25	11.881	0.223	12.5	0.0000	0.0000	OK
15 minute winter	SW32	25	11.881	0.227	8.2	0.0642	0.0000	SURCHARGED
15 minute winter	SW33	26	11.579	0.010	0.1	0.0085	0.0000	OK
15 minute winter	SW34	20	13.464	0.114	23.3	10.7119	0.0000	SURCHARGED
15 minute winter	SW35	26	11.429	0.010	0.1	0.0028	0.0000	OK
15 minute winter	SW36	27	11.356	0.010	0.1	0.0028	0.0000	OK
15 minute winter	SW37	27	11.197	0.013	0.3	0.0114	0.0000	OK
15 minute winter	SW38	20	12.864	0.194	18.8	8.5894	0.0000	SURCHARGED
15 minute winter	SW39	20	12.470	0.170	14.3	6.5095	0.0000	SURCHARGED
15 minute winter	SW40	29	10.239	0.001	1.0	0.0004	0.0000	OK
15 minute winter	SW41	20	12.357	0.137	14.3	6.5048	0.0000	SURCHARGED
15 minute winter	SW42	10	12.875	0.055	4.5	0.0000	0.0000	OK
15 minute winter	SW43	10	12.368	0.068	4.5	0.0192	0.0000	OK
15 minute winter	SW44	11	12.312	0.102	4.5	0.0288	0.0000	SURCHARGED
15 minute winter	SW45	11	12.277	0.118	6.7	0.0335	0.0000	SURCHARGED
15 minute winter	SW46	11	12.123	0.085	7.8	0.0242	0.0000	OK
15 minute winter	SW47	13	11.780	0.635	12.2	0.1797	0.0000	SURCHARGED
15 minute winter	SW48	10	11.939	0.039	1.9	0.0000	0.0000	OK
15 minute winter	SW49	10	11.945	0.045	2.6	0.0000	0.0000	OK
15 minute winter	SW50	10	11.862	0.061	3.9	0.0097	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	SW26	6.002	SW28	8.8	1.120	1.452	0.0484	
15 minute winter	SW27	7.000	SW26	1.9	0.346	0.101	0.0174	
15 minute winter	SW28	6.003	SW30	12.6	0.954	0.708	0.0474	
15 minute winter	SW29	8.000	SW28	4.5	0.820	0.739	0.0267	
15 minute winter	SW30	6.004	SW31	12.5	1.048	0.705	0.0458	
15 minute winter	SW31	Flow through Pond	SW32	8.2	0.033	0.000	7.2643	
15 minute winter	SW32	6.005	SW33	0.1	0.265	0.013	0.0011	
15 minute winter	SW33	6.006	SW35	0.1	0.303	0.008	0.0073	
15 minute winter	SW34	9.000	SW33	0.1	0.321	0.008	0.0003	
15 minute winter	SW35	6.007	SW36	0.1	0.341	0.008	0.0036	
15 minute winter	SW36	6.008	SW37	0.1	0.241	0.008	0.0099	
15 minute winter	SW37	6.009	SW23	0.3	0.308	0.016	0.0179	
15 minute winter	SW38	10.000	SW37	0.1	0.388	0.015	0.0005	
15 minute winter	SW39	11.000	SW23	0.1	0.320	0.008	0.0003	
15 minute winter	SW40	Pump		1.0				13.7
15 minute winter	SW41	12.000	SW40	0.1	0.330	0.009	0.0005	
15 minute winter	SW42	13.000	SW43	4.5	1.065	0.521	0.0150	
15 minute winter	SW43	13.001	SW44	4.5	0.749	0.740	0.0591	
15 minute winter	SW44	13.002	SW45	4.3	0.596	0.707	0.0402	
15 minute winter	SW45	13.003	SW46	6.6	0.873	1.089	0.0903	
15 minute winter	SW46	13.004	SW47	7.8	1.124	0.968	0.1015	
15 minute winter	SW47	17.000	SW55	11.4	1.457	1.888	0.1160	
15 minute winter	SW48	14.000	SW47	1.9	0.675	0.310	0.0386	
15 minute winter	SW49	15.000	SW50	2.6	0.606	0.425	0.0419	
15 minute winter	SW50	15.001	SW51	3.8	0.884	0.629	0.0769	

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Results for 30 year +45% CC 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	SW51	13	11.837	0.165	3.8	0.0262	0.0000	SURCHARGED
15 minute winter	SW52	13	11.805	0.605	4.6	0.1712	0.0000	SURCHARGED
15 minute winter	SW53	10	11.954	0.054	3.2	0.0000	0.0000	OK
15 minute winter	SW54	13	11.812	0.541	3.2	0.1531	0.0000	SURCHARGED
15 minute winter	SW55	13	11.155	0.158	11.4	0.0112	0.0000	SURCHARGED
15 minute winter	SW56	25	10.516	0.223	11.4	0.0000	0.0000	OK
15 minute winter	SW57	28	10.517	0.233	10.1	0.0658	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	SW51	15.002	SW52	3.7	0.572	0.444	0.1930	
15 minute winter	SW52	15.003	SW47	5.9	0.759	0.984	0.0434	
15 minute winter	SW53	16.000	SW54	3.2	0.754	0.524	0.0143	
15 minute winter	SW54	16.001	SW52	2.5	0.510	0.420	0.0558	
15 minute winter	SW55	17.001	SW56	11.4	1.452	1.882	0.0097	
15 minute winter	SW56	Flow through Pond	SW57	10.1	0.072	0.001	7.7833	
15 minute winter	SW57	17.002	SW40	0.1	0.530	0.013	0.0009	

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Results for 30 year +45% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	SW1	35	13.089	0.199	50.5	31.6673	0.0000	SURCHARGED
30 minute summer	SW2	38	12.591	0.009	0.1	0.0027	0.0000	OK
30 minute summer	SW3	39	12.453	0.009	0.1	0.0025	0.0000	OK
30 minute summer	SW4	39	12.241	0.012	0.2	0.0000	0.0000	OK
30 minute summer	SW5	18	13.183	0.083	5.7	0.0000	0.0000	OK
30 minute summer	SW6	18	13.118	0.086	5.7	0.0136	0.0000	OK
30 minute summer	SW7	18	13.029	0.086	5.7	0.0061	0.0000	OK
30 minute summer	SW8	36	12.551	0.296	5.7	0.0000	0.0000	OK
30 minute summer	SW9	37	12.551	0.308	4.5	0.0871	0.0000	SURCHARGED
30 minute summer	SW10	18	13.156	0.036	3.8	0.0000	0.0000	OK
30 minute summer	SW11	36	12.551	0.296	3.8	0.0000	0.0000	OK
30 minute summer	SW12	41	11.885	0.012	0.2	0.0034	0.0000	OK
30 minute summer	SW13	40	11.644	0.015	0.5	0.0134	0.0000	OK
30 minute summer	SW14	35	13.313	0.193	10.7	6.6698	0.0000	SURCHARGED
30 minute summer	SW15	36	12.901	0.009	0.1	0.0024	0.0000	OK
30 minute summer	SW16	38	12.831	0.009	0.1	0.0024	0.0000	OK
30 minute summer	SW17	38	12.686	0.009	0.2	0.0076	0.0000	OK
30 minute summer	SW18	35	13.016	0.146	48.0	30.1656	0.0000	OK
30 minute summer	SW19	38	12.564	0.011	0.3	0.0031	0.0000	OK
30 minute summer	SW20	35	12.740	0.170	10.1	6.2692	0.0000	SURCHARGED
30 minute summer	SW21	42	11.574	0.016	0.6	0.0046	0.0000	OK
30 minute summer	SW22	35	12.120	0.160	15.1	9.4253	0.0000	SURCHARGED
30 minute summer	SW23	42	11.029	0.020	1.0	0.0058	0.0000	OK
30 minute summer	SW24	19	13.327	0.487	9.5	0.0000	0.0000	FLOOD RISK
30 minute summer	SW25	20	13.007	0.350	7.9	0.0991	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	SW1	1.000	SW2	0.1	0.291	0.007	0.0138	
30 minute summer	SW2	1.001	SW3	0.1	0.304	0.007	0.0059	
30 minute summer	SW3	1.002	SW4	0.1	0.254	0.006	0.0088	
30 minute summer	SW4	1.008	SW12	0.2	0.347	0.013	0.0229	
30 minute summer	SW5	1.003	SW6	5.7	0.817	0.943	0.0478	
30 minute summer	SW6	1.004	SW7	5.7	0.797	0.941	0.0631	
30 minute summer	SW7	1.005	SW8	5.7	0.830	0.938	0.0071	
30 minute summer	SW8	Flow through Pond	SW9	4.5	0.066	0.001	5.1594	
30 minute summer	SW9	1.007	SW4	0.1	0.252	0.015	0.0006	
30 minute summer	SW10	1.006	SW11	3.8	1.520	0.270	0.0083	
30 minute summer	SW11	Flow through Pond	SW9	4.5	0.066	0.001	5.1594	
30 minute summer	SW12	1.009	SW13	0.2	0.282	0.013	0.0195	
30 minute summer	SW13	1.010	SW21	0.5	0.391	0.009	0.0086	
30 minute summer	SW14	2.000	SW15	0.1	0.278	0.015	0.0073	
30 minute summer	SW15	2.001	SW16	0.1	0.278	0.015	0.0022	
30 minute summer	SW16	2.002	SW17	0.1	0.274	0.015	0.0047	
30 minute summer	SW17	2.003	SW19	0.2	0.349	0.007	0.0029	
30 minute summer	SW18	3.000	SW17	0.1	0.316	0.003	0.0003	
30 minute summer	SW19	2.004	SW13	0.3	0.453	0.010	0.0029	
30 minute summer	SW20	4.000	SW19	0.1	0.238	0.014	0.0007	
30 minute summer	SW21	1.011	SW23	0.6	0.368	0.010	0.0770	
30 minute summer	SW22	5.000	SW21	0.1	0.325	0.008	0.0078	
30 minute summer	SW23	6.010	SW40	1.0	0.544	0.016	0.0147	
30 minute summer	SW24	6.000	SW25	7.9	1.011	1.310	0.1432	
30 minute summer	SW25	6.001	SW26	7.4	0.945	1.224	0.1699	

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Results for 30 year +45% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	SW26	20	12.646	0.206	8.8	0.0000	0.0000	SURCHARGED
30 minute summer	SW27	18	12.822	0.022	1.9	0.0000	0.0000	OK
30 minute summer	SW28	19	12.489	0.111	12.7	0.0961	0.0000	OK
30 minute summer	SW29	18	12.896	0.066	4.4	0.0000	0.0000	OK
30 minute summer	SW30	19	12.443	0.101	12.7	0.0871	0.0000	OK
30 minute summer	SW31	39	11.956	0.298	12.7	0.0000	0.0000	OK
30 minute summer	SW32	39	11.956	0.302	7.0	0.0855	0.0000	SURCHARGED
30 minute summer	SW33	40	11.580	0.011	0.2	0.0091	0.0000	OK
30 minute summer	SW34	35	13.501	0.151	22.7	14.2583	0.0000	SURCHARGED
30 minute summer	SW35	40	11.430	0.011	0.2	0.0030	0.0000	OK
30 minute summer	SW36	41	11.357	0.011	0.2	0.0030	0.0000	OK
30 minute summer	SW37	40	11.198	0.014	0.3	0.0121	0.0000	OK
30 minute summer	SW38	35	12.925	0.255	18.3	11.3521	0.0000	SURCHARGED
30 minute summer	SW39	35	12.525	0.225	13.9	8.6603	0.0000	SURCHARGED
30 minute summer	SW40	7	10.239	0.001	1.1	0.0006	0.0000	OK
30 minute summer	SW41	35	12.401	0.181	13.9	8.6504	0.0000	SURCHARGED
30 minute summer	SW42	18	12.874	0.054	4.4	0.0000	0.0000	OK
30 minute summer	SW43	17	12.367	0.067	4.4	0.0188	0.0000	OK
30 minute summer	SW44	19	12.310	0.100	4.5	0.0282	0.0000	OK
30 minute summer	SW45	19	12.276	0.117	6.6	0.0332	0.0000	SURCHARGED
30 minute summer	SW46	18	12.123	0.085	7.8	0.0241	0.0000	OK
30 minute summer	SW47	21	11.794	0.649	12.2	0.1838	0.0000	SURCHARGED
30 minute summer	SW48	18	11.939	0.039	1.9	0.0000	0.0000	OK
30 minute summer	SW49	18	11.945	0.045	2.5	0.0000	0.0000	OK
30 minute summer	SW50	21	11.868	0.067	3.8	0.0107	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	SW26	6.002	SW28	8.9	1.132	1.467	0.0484	
30 minute summer	SW27	7.000	SW26	1.9	0.421	0.102	0.0174	
30 minute summer	SW28	6.003	SW30	12.7	0.954	0.713	0.0477	
30 minute summer	SW29	8.000	SW28	4.4	0.819	0.729	0.0264	
30 minute summer	SW30	6.004	SW31	12.7	1.050	0.713	0.0462	
30 minute summer	SW31	Flow through Pond	SW32	7.0	0.008	0.000	9.6976	
30 minute summer	SW32	6.005	SW33	0.1	0.277	0.015	0.0012	
30 minute summer	SW33	6.006	SW35	0.2	0.316	0.010	0.0081	
30 minute summer	SW34	9.000	SW33	0.1	0.335	0.009	0.0004	
30 minute summer	SW35	6.007	SW36	0.2	0.317	0.010	0.0039	
30 minute summer	SW36	6.008	SW37	0.2	0.253	0.010	0.0110	
30 minute summer	SW37	6.009	SW23	0.3	0.286	0.018	0.0198	
30 minute summer	SW38	10.000	SW37	0.1	0.403	0.017	0.0005	
30 minute summer	SW39	11.000	SW23	0.1	0.334	0.009	0.0003	
30 minute summer	SW40	Pump		1.1				16.5
30 minute summer	SW41	12.000	SW40	0.1	0.345	0.010	0.0005	
30 minute summer	SW42	13.000	SW43	4.4	1.062	0.513	0.0148	
30 minute summer	SW43	13.001	SW44	4.5	0.743	0.738	0.0585	
30 minute summer	SW44	13.002	SW45	4.2	0.593	0.699	0.0402	
30 minute summer	SW45	13.003	SW46	6.6	0.872	1.088	0.0902	
30 minute summer	SW46	13.004	SW47	7.7	1.125	0.963	0.1013	
30 minute summer	SW47	17.000	SW55	11.5	1.472	1.908	0.1160	
30 minute summer	SW48	14.000	SW47	1.9	0.678	0.315	0.0390	
30 minute summer	SW49	15.000	SW50	2.5	0.611	0.414	0.0414	
30 minute summer	SW50	15.001	SW51	3.8	0.878	0.633	0.0866	

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Results for 30 year +45% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	SW51	21	11.857	0.185	3.8	0.0293	0.0000	SURCHARGED
30 minute summer	SW52	21	11.827	0.627	4.7	0.1775	0.0000	SURCHARGED
30 minute summer	SW53	18	11.955	0.055	3.2	0.0000	0.0000	OK
30 minute summer	SW54	21	11.836	0.565	3.2	0.1599	0.0000	SURCHARGED
30 minute summer	SW55	21	11.157	0.160	11.5	0.0114	0.0000	SURCHARGED
30 minute summer	SW56	42	10.594	0.300	11.5	0.0000	0.0000	OK
30 minute summer	SW57	41	10.594	0.310	8.0	0.0877	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	SW51	15.002	SW52	3.6	0.576	0.426	0.1930	
30 minute summer	SW52	15.003	SW47	5.9	0.751	0.973	0.0434	
30 minute summer	SW53	16.000	SW54	3.2	0.757	0.530	0.0144	
30 minute summer	SW54	16.001	SW52	2.5	0.489	0.412	0.0558	
30 minute summer	SW55	17.001	SW56	11.5	1.475	1.912	0.0097	
30 minute summer	SW56	Flow through Pond	SW57	8.0	0.049	0.001	10.4341	
30 minute summer	SW57	17.002	SW40	0.1	0.553	0.015	0.0010	

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Results for 30 year +45% CC 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	SW1	35	13.089	0.199	40.8	31.7113	0.0000	SURCHARGED
30 minute winter	SW2	37	12.591	0.009	0.1	0.0027	0.0000	OK
30 minute winter	SW3	39	12.453	0.009	0.1	0.0025	0.0000	OK
30 minute winter	SW4	39	12.241	0.012	0.2	0.0000	0.0000	OK
30 minute winter	SW5	18	13.169	0.069	4.6	0.0000	0.0000	OK
30 minute winter	SW6	18	13.102	0.070	4.6	0.0111	0.0000	OK
30 minute winter	SW7	18	13.015	0.072	4.6	0.0051	0.0000	OK
30 minute winter	SW8	36	12.551	0.296	4.6	0.0000	0.0000	OK
30 minute winter	SW9	36	12.551	0.308	3.5	0.0872	0.0000	SURCHARGED
30 minute winter	SW10	18	13.152	0.032	3.1	0.0000	0.0000	OK
30 minute winter	SW11	36	12.551	0.296	3.1	0.0000	0.0000	OK
30 minute winter	SW12	41	11.885	0.012	0.2	0.0034	0.0000	OK
30 minute winter	SW13	40	11.644	0.015	0.5	0.0134	0.0000	OK
30 minute winter	SW14	34	13.313	0.193	8.7	6.6631	0.0000	SURCHARGED
30 minute winter	SW15	36	12.901	0.009	0.1	0.0024	0.0000	OK
30 minute winter	SW16	37	12.831	0.009	0.1	0.0024	0.0000	OK
30 minute winter	SW17	38	12.686	0.009	0.2	0.0076	0.0000	OK
30 minute winter	SW18	35	13.016	0.146	38.7	30.1469	0.0000	OK
30 minute winter	SW19	38	12.564	0.011	0.3	0.0031	0.0000	OK
30 minute winter	SW20	34	12.741	0.171	8.2	6.2859	0.0000	SURCHARGED
30 minute winter	SW21	41	11.574	0.016	0.6	0.0046	0.0000	OK
30 minute winter	SW22	34	12.120	0.160	12.2	9.4447	0.0000	SURCHARGED
30 minute winter	SW23	42	11.029	0.020	1.0	0.0058	0.0000	OK
30 minute winter	SW24	20	13.136	0.296	7.6	0.0000	0.0000	FLOOD RISK
30 minute winter	SW25	20	12.886	0.229	6.8	0.0647	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	SW1	1.000	SW2	0.1	0.291	0.007	0.0138	
30 minute winter	SW2	1.001	SW3	0.1	0.304	0.007	0.0059	
30 minute winter	SW3	1.002	SW4	0.1	0.254	0.006	0.0088	
30 minute winter	SW4	1.008	SW12	0.2	0.347	0.013	0.0230	
30 minute winter	SW5	1.003	SW6	4.6	0.796	0.762	0.0393	
30 minute winter	SW6	1.004	SW7	4.6	0.774	0.762	0.0526	
30 minute winter	SW7	1.005	SW8	4.6	0.798	0.761	0.0060	
30 minute winter	SW8	Flow through Pond	SW9	3.5	0.060	0.001	5.1629	
30 minute winter	SW9	1.007	SW4	0.1	0.265	0.015	0.0006	
30 minute winter	SW10	1.006	SW11	3.1	1.436	0.220	0.0072	
30 minute winter	SW11	Flow through Pond	SW9	3.5	0.060	0.001	5.1629	
30 minute winter	SW12	1.009	SW13	0.2	0.282	0.013	0.0195	
30 minute winter	SW13	1.010	SW21	0.5	0.391	0.009	0.0086	
30 minute winter	SW14	2.000	SW15	0.1	0.278	0.015	0.0073	
30 minute winter	SW15	2.001	SW16	0.1	0.278	0.015	0.0022	
30 minute winter	SW16	2.002	SW17	0.1	0.274	0.015	0.0047	
30 minute winter	SW17	2.003	SW19	0.2	0.349	0.007	0.0029	
30 minute winter	SW18	3.000	SW17	0.1	0.316	0.003	0.0003	
30 minute winter	SW19	2.004	SW13	0.3	0.453	0.010	0.0029	
30 minute winter	SW20	4.000	SW19	0.1	0.232	0.014	0.0007	
30 minute winter	SW21	1.011	SW23	0.6	0.368	0.010	0.0770	
30 minute winter	SW22	5.000	SW21	0.1	0.332	0.008	0.0078	
30 minute winter	SW23	6.010	SW40	1.0	0.544	0.016	0.0147	
30 minute winter	SW24	6.000	SW25	6.8	0.880	1.129	0.1432	
30 minute winter	SW25	6.001	SW26	6.6	0.840	1.089	0.1699	

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Results for 30 year +45% CC 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	SW26	20	12.600	0.160	7.9	0.0000	0.0000	SURCHARGED
30 minute winter	SW27	18	12.819	0.019	1.5	0.0000	0.0000	OK
30 minute winter	SW28	19	12.479	0.101	11.1	0.0872	0.0000	OK
30 minute winter	SW29	18	12.888	0.058	3.6	0.0000	0.0000	OK
30 minute winter	SW30	19	12.434	0.092	11.1	0.0799	0.0000	OK
30 minute winter	SW31	39	11.956	0.298	11.1	0.0000	0.0000	OK
30 minute winter	SW32	39	11.956	0.302	5.6	0.0856	0.0000	SURCHARGED
30 minute winter	SW33	39	11.580	0.011	0.2	0.0091	0.0000	OK
30 minute winter	SW34	35	13.500	0.150	18.3	14.2312	0.0000	SURCHARGED
30 minute winter	SW35	40	11.430	0.011	0.2	0.0030	0.0000	OK
30 minute winter	SW36	41	11.357	0.011	0.2	0.0030	0.0000	OK
30 minute winter	SW37	40	11.198	0.014	0.3	0.0121	0.0000	OK
30 minute winter	SW38	34	12.925	0.255	14.8	11.3604	0.0000	SURCHARGED
30 minute winter	SW39	34	12.525	0.225	11.2	8.6558	0.0000	SURCHARGED
30 minute winter	SW40	42	10.239	0.001	1.1	0.0005	0.0000	OK
30 minute winter	SW41	34	12.400	0.180	11.2	8.6464	0.0000	SURCHARGED
30 minute winter	SW42	18	12.868	0.048	3.6	0.0000	0.0000	OK
30 minute winter	SW43	18	12.359	0.059	3.6	0.0166	0.0000	OK
30 minute winter	SW44	18	12.272	0.062	3.6	0.0175	0.0000	OK
30 minute winter	SW45	18	12.240	0.081	5.6	0.0229	0.0000	OK
30 minute winter	SW46	18	12.111	0.073	6.6	0.0206	0.0000	OK
30 minute winter	SW47	21	11.688	0.543	11.2	0.1538	0.0000	SURCHARGED
30 minute winter	SW48	18	11.934	0.034	1.5	0.0000	0.0000	OK
30 minute winter	SW49	18	11.940	0.040	2.0	0.0000	0.0000	OK
30 minute winter	SW50	18	11.853	0.052	3.0	0.0083	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	SW26	6.002	SW28	7.9	1.006	1.303	0.0484	
30 minute winter	SW27	7.000	SW26	1.5	0.619	0.080	0.0171	
30 minute winter	SW28	6.003	SW30	11.1	0.930	0.627	0.0430	
30 minute winter	SW29	8.000	SW28	3.6	0.784	0.596	0.0225	
30 minute winter	SW30	6.004	SW31	11.1	1.021	0.627	0.0418	
30 minute winter	SW31	Flow through Pond	SW32	5.6	0.028	0.000	9.7025	
30 minute winter	SW32	6.005	SW33	0.1	0.277	0.015	0.0012	
30 minute winter	SW33	6.006	SW35	0.2	0.316	0.010	0.0081	
30 minute winter	SW34	9.000	SW33	0.1	0.335	0.009	0.0004	
30 minute winter	SW35	6.007	SW36	0.2	0.317	0.010	0.0039	
30 minute winter	SW36	6.008	SW37	0.2	0.253	0.010	0.0110	
30 minute winter	SW37	6.009	SW23	0.3	0.286	0.018	0.0198	
30 minute winter	SW38	10.000	SW37	0.1	0.403	0.017	0.0005	
30 minute winter	SW39	11.000	SW23	0.1	0.334	0.009	0.0003	
30 minute winter	SW40	Pump		1.1				16.5
30 minute winter	SW41	12.000	SW40	0.1	0.345	0.010	0.0005	
30 minute winter	SW42	13.000	SW43	3.6	1.012	0.420	0.0127	
30 minute winter	SW43	13.001	SW44	3.6	0.730	0.596	0.0445	
30 minute winter	SW44	13.002	SW45	3.6	0.601	0.596	0.0306	
30 minute winter	SW45	13.003	SW46	5.6	0.865	0.926	0.0779	
30 minute winter	SW46	13.004	SW47	6.6	1.107	0.818	0.0833	
30 minute winter	SW47	17.000	SW55	10.6	1.358	1.760	0.1160	
30 minute winter	SW48	14.000	SW47	1.5	0.636	0.248	0.0328	
30 minute winter	SW49	15.000	SW50	2.0	0.569	0.331	0.0349	
30 minute winter	SW50	15.001	SW51	3.0	0.832	0.497	0.0624	

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Results for 30 year +45% CC 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	SW51	21	11.749	0.077	3.0	0.0122	0.0000	OK
30 minute winter	SW52	21	11.721	0.521	4.3	0.1475	0.0000	SURCHARGED
30 minute winter	SW53	18	11.947	0.047	2.5	0.0000	0.0000	OK
30 minute winter	SW54	21	11.730	0.459	2.5	0.1299	0.0000	SURCHARGED
30 minute winter	SW55	21	11.146	0.149	10.6	0.0105	0.0000	SURCHARGED
30 minute winter	SW56	41	10.595	0.301	10.6	0.0000	0.0000	OK
30 minute winter	SW57	41	10.595	0.311	7.9	0.0881	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	SW51	15.002	SW52	3.0	0.566	0.357	0.1759	
30 minute winter	SW52	15.003	SW47	4.9	0.628	0.814	0.0434	
30 minute winter	SW53	16.000	SW54	2.5	0.713	0.414	0.0120	
30 minute winter	SW54	16.001	SW52	2.2	0.466	0.369	0.0558	
30 minute winter	SW55	17.001	SW56	10.6	1.359	1.761	0.0097	
30 minute winter	SW56	Flow through Pond	SW57	7.9	0.063	0.001	10.4754	
30 minute winter	SW57	17.002	SW40	0.1	0.553	0.015	0.0010	

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Results for 30 year +45% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	SW1	65	13.141	0.251	38.3	40.1949	0.0000	SURCHARGED
60 minute summer	SW2	67	12.592	0.010	0.1	0.0028	0.0000	OK
60 minute summer	SW3	68	12.453	0.009	0.1	0.0026	0.0000	OK
60 minute summer	SW4	68	12.242	0.013	0.3	0.0000	0.0000	OK
60 minute summer	SW5	33	13.165	0.065	4.3	0.0000	0.0000	OK
60 minute summer	SW6	33	13.099	0.067	4.3	0.0106	0.0000	OK
60 minute summer	SW7	33	13.012	0.069	4.3	0.0049	0.0000	OK
60 minute summer	SW8	66	12.628	0.373	4.3	0.0000	0.0000	OK
60 minute summer	SW9	66	12.628	0.385	3.3	0.1090	0.0000	SURCHARGED
60 minute summer	SW10	33	13.151	0.031	2.9	0.0000	0.0000	OK
60 minute summer	SW11	66	12.628	0.373	2.9	0.0000	0.0000	OK
60 minute summer	SW12	70	11.886	0.013	0.3	0.0035	0.0000	OK
60 minute summer	SW13	69	11.645	0.016	0.5	0.0141	0.0000	OK
60 minute summer	SW14	65	13.360	0.240	8.1	8.3541	0.0000	SURCHARGED
60 minute summer	SW15	66	12.901	0.009	0.1	0.0026	0.0000	OK
60 minute summer	SW16	67	12.831	0.009	0.1	0.0026	0.0000	OK
60 minute summer	SW17	67	12.686	0.009	0.2	0.0080	0.0000	OK
60 minute summer	SW18	65	13.054	0.184	36.4	38.2978	0.0000	SURCHARGED
60 minute summer	SW19	67	12.564	0.011	0.3	0.0032	0.0000	OK
60 minute summer	SW20	64	12.783	0.213	7.7	7.8826	0.0000	SURCHARGED
60 minute summer	SW21	70	11.575	0.017	0.6	0.0048	0.0000	OK
60 minute summer	SW22	65	12.161	0.201	11.5	11.9508	0.0000	SURCHARGED
60 minute summer	SW23	71	11.031	0.022	1.1	0.0061	0.0000	OK
60 minute summer	SW24	35	13.077	0.237	7.2	0.0000	0.0000	FLOOD RISK
60 minute summer	SW25	35	12.851	0.194	6.5	0.0548	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	SW1	1.000	SW2	0.1	0.302	0.008	0.0150	
60 minute summer	SW2	1.001	SW3	0.1	0.315	0.008	0.0065	
60 minute summer	SW3	1.002	SW4	0.1	0.262	0.007	0.0095	
60 minute summer	SW4	1.008	SW12	0.3	0.360	0.014	0.0249	
60 minute summer	SW5	1.003	SW6	4.3	0.787	0.712	0.0372	
60 minute summer	SW6	1.004	SW7	4.3	0.764	0.712	0.0498	
60 minute summer	SW7	1.005	SW8	4.3	0.786	0.712	0.0057	
60 minute summer	SW8	Flow through Pond	SW9	3.3	0.051	0.001	6.4835	
60 minute summer	SW9	1.007	SW4	0.1	0.246	0.017	0.0006	
60 minute summer	SW10	1.006	SW11	2.9	1.410	0.206	0.0068	
60 minute summer	SW11	Flow through Pond	SW9	3.3	0.051	0.001	6.4835	
60 minute summer	SW12	1.009	SW13	0.3	0.292	0.014	0.0210	
60 minute summer	SW13	1.010	SW21	0.5	0.405	0.010	0.0094	
60 minute summer	SW14	2.000	SW15	0.1	0.288	0.017	0.0080	
60 minute summer	SW15	2.001	SW16	0.1	0.288	0.017	0.0024	
60 minute summer	SW16	2.002	SW17	0.1	0.283	0.017	0.0052	
60 minute summer	SW17	2.003	SW19	0.2	0.360	0.007	0.0032	
60 minute summer	SW18	3.000	SW17	0.1	0.325	0.003	0.0003	
60 minute summer	SW19	2.004	SW13	0.3	0.469	0.011	0.0031	
60 minute summer	SW20	4.000	SW19	0.1	0.229	0.016	0.0007	
60 minute summer	SW21	1.011	SW23	0.6	0.382	0.012	0.0837	
60 minute summer	SW22	5.000	SW21	0.1	0.296	0.009	0.0084	
60 minute summer	SW23	6.010	SW40	1.1	0.563	0.018	0.0160	
60 minute summer	SW24	6.000	SW25	6.5	0.883	1.079	0.1432	
60 minute summer	SW25	6.001	SW26	6.3	0.805	1.043	0.1699	

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Results for 30 year +45% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	SW26	35	12.587	0.147	7.6	0.0000	0.0000	SURCHARGED
60 minute summer	SW27	33	12.819	0.019	1.4	0.0000	0.0000	OK
60 minute summer	SW28	34	12.476	0.098	10.7	0.0847	0.0000	OK
60 minute summer	SW29	33	12.886	0.056	3.4	0.0000	0.0000	OK
60 minute summer	SW30	34	12.432	0.090	10.7	0.0777	0.0000	OK
60 minute summer	SW31	68	12.038	0.380	10.7	0.0000	0.0000	OK
60 minute summer	SW32	68	12.038	0.384	5.4	0.1086	0.0000	SURCHARGED
60 minute summer	SW33	69	11.580	0.011	0.2	0.0096	0.0000	OK
60 minute summer	SW34	65	13.539	0.189	17.2	18.0510	0.0000	SURCHARGED
60 minute summer	SW35	69	11.430	0.011	0.2	0.0032	0.0000	OK
60 minute summer	SW36	70	11.357	0.011	0.2	0.0031	0.0000	OK
60 minute summer	SW37	69	11.199	0.015	0.4	0.0128	0.0000	OK
60 minute summer	SW38	64	12.990	0.320	13.9	14.2871	0.0000	SURCHARGED
60 minute summer	SW39	65	12.583	0.283	10.5	10.9381	0.0000	SURCHARGED
60 minute summer	SW40	8	10.239	0.001	1.3	0.0006	0.0000	OK
60 minute summer	SW41	65	12.447	0.227	10.5	10.9170	0.0000	SURCHARGED
60 minute summer	SW42	33	12.866	0.046	3.4	0.0000	0.0000	OK
60 minute summer	SW43	33	12.357	0.057	3.4	0.0160	0.0000	OK
60 minute summer	SW44	33	12.269	0.059	3.4	0.0168	0.0000	OK
60 minute summer	SW45	33	12.236	0.077	5.3	0.0218	0.0000	OK
60 minute summer	SW46	33	12.108	0.070	6.3	0.0199	0.0000	OK
60 minute summer	SW47	36	11.650	0.505	10.8	0.1429	0.0000	SURCHARGED
60 minute summer	SW48	34	11.933	0.033	1.4	0.0000	0.0000	OK
60 minute summer	SW49	33	11.938	0.038	1.9	0.0000	0.0000	OK
60 minute summer	SW50	33	11.852	0.051	2.9	0.0082	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	SW26	6.002	SW28	7.6	0.967	1.253	0.0483	
60 minute summer	SW27	7.000	SW26	1.4	0.641	0.075	0.0170	
60 minute summer	SW28	6.003	SW30	10.7	0.922	0.601	0.0416	
60 minute summer	SW29	8.000	SW28	3.4	0.774	0.563	0.0216	
60 minute summer	SW30	6.004	SW31	10.7	1.011	0.601	0.0404	
60 minute summer	SW31	Flow through Pond	SW32	5.4	0.006	0.000	12.3282	
60 minute summer	SW32	6.005	SW33	0.1	0.287	0.017	0.0013	
60 minute summer	SW33	6.006	SW35	0.2	0.328	0.011	0.0088	
60 minute summer	SW34	9.000	SW33	0.1	0.347	0.010	0.0004	
60 minute summer	SW35	6.007	SW36	0.2	0.329	0.011	0.0043	
60 minute summer	SW36	6.008	SW37	0.2	0.263	0.011	0.0120	
60 minute summer	SW37	6.009	SW23	0.4	0.296	0.020	0.0215	
60 minute summer	SW38	10.000	SW37	0.2	0.416	0.020	0.0006	
60 minute summer	SW39	11.000	SW23	0.1	0.345	0.010	0.0004	
60 minute summer	SW40	Pump		1.3				20.1
60 minute summer	SW41	12.000	SW40	0.1	0.357	0.011	0.0006	
60 minute summer	SW42	13.000	SW43	3.4	0.998	0.396	0.0122	
60 minute summer	SW43	13.001	SW44	3.4	0.724	0.563	0.0423	
60 minute summer	SW44	13.002	SW45	3.4	0.599	0.563	0.0291	
60 minute summer	SW45	13.003	SW46	5.3	0.858	0.877	0.0745	
60 minute summer	SW46	13.004	SW47	6.3	1.099	0.781	0.0802	
60 minute summer	SW47	17.000	SW55	10.3	1.315	1.704	0.1160	
60 minute summer	SW48	14.000	SW47	1.4	0.624	0.232	0.0312	
60 minute summer	SW49	15.000	SW50	1.9	0.557	0.315	0.0338	
60 minute summer	SW50	15.001	SW51	2.9	0.825	0.480	0.0454	

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Results for 30 year +45% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	SW51	36	11.716	0.044	2.9	0.0069	0.0000	OK
60 minute summer	SW52	36	11.683	0.483	4.2	0.1368	0.0000	SURCHARGED
60 minute summer	SW53	33	11.946	0.046	2.4	0.0000	0.0000	OK
60 minute summer	SW54	36	11.692	0.421	2.4	0.1191	0.0000	SURCHARGED
60 minute summer	SW55	36	11.141	0.144	10.3	0.0102	0.0000	SURCHARGED
60 minute summer	SW56	70	10.677	0.383	10.3	0.0000	0.0000	OK
60 minute summer	SW57	70	10.677	0.393	6.9	0.1114	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	SW51	15.002	SW52	2.9	0.541	0.345	0.1368	
60 minute summer	SW52	15.003	SW47	4.5	0.576	0.747	0.0434	
60 minute summer	SW53	16.000	SW54	2.4	0.706	0.398	0.0116	
60 minute summer	SW54	16.001	SW52	2.1	0.457	0.349	0.0558	
60 minute summer	SW55	17.001	SW56	10.3	1.316	1.706	0.0097	
60 minute summer	SW56	Flow through Pond	SW57	6.9	0.041	0.001	13.2892	
60 minute summer	SW57	17.002	SW40	0.1	0.573	0.017	0.0011	

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Results for 30 year +45% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	SW1	64	13.142	0.252	27.7	40.2527	0.0000	SURCHARGED
60 minute winter	SW2	66	12.592	0.010	0.1	0.0028	0.0000	OK
60 minute winter	SW3	67	12.453	0.009	0.1	0.0026	0.0000	OK
60 minute winter	SW4	67	12.242	0.013	0.3	0.0000	0.0000	OK
60 minute winter	SW5	32	13.152	0.052	3.1	0.0000	0.0000	OK
60 minute winter	SW6	32	13.085	0.053	3.1	0.0085	0.0000	OK
60 minute winter	SW7	34	12.999	0.056	3.1	0.0039	0.0000	OK
60 minute winter	SW8	65	12.629	0.374	3.1	0.0000	0.0000	OK
60 minute winter	SW9	65	12.629	0.386	2.5	0.1092	0.0000	SURCHARGED
60 minute winter	SW10	33	13.146	0.026	2.1	0.0000	0.0000	OK
60 minute winter	SW11	65	12.629	0.374	2.1	0.0000	0.0000	OK
60 minute winter	SW12	69	11.886	0.013	0.3	0.0035	0.0000	OK
60 minute winter	SW13	68	11.645	0.016	0.5	0.0141	0.0000	OK
60 minute winter	SW14	63	13.362	0.242	5.9	8.4042	0.0000	SURCHARGED
60 minute winter	SW15	65	12.901	0.009	0.1	0.0026	0.0000	OK
60 minute winter	SW16	66	12.831	0.009	0.1	0.0026	0.0000	OK
60 minute winter	SW17	66	12.686	0.009	0.2	0.0080	0.0000	OK
60 minute winter	SW18	64	13.054	0.184	26.3	38.3105	0.0000	SURCHARGED
60 minute winter	SW19	66	12.564	0.011	0.3	0.0032	0.0000	OK
60 minute winter	SW20	63	12.783	0.213	5.5	7.8671	0.0000	SURCHARGED
60 minute winter	SW21	69	11.575	0.017	0.6	0.0048	0.0000	OK
60 minute winter	SW22	64	12.161	0.201	8.3	11.9500	0.0000	SURCHARGED
60 minute winter	SW23	70	11.031	0.022	1.1	0.0061	0.0000	OK
60 minute winter	SW24	33	12.913	0.073	5.2	0.0000	0.0000	OK
60 minute winter	SW25	33	12.728	0.071	5.2	0.0202	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	SW1	1.000	SW2	0.1	0.302	0.008	0.0150	
60 minute winter	SW2	1.001	SW3	0.1	0.316	0.008	0.0065	
60 minute winter	SW3	1.002	SW4	0.1	0.262	0.007	0.0095	
60 minute winter	SW4	1.008	SW12	0.3	0.360	0.014	0.0249	
60 minute winter	SW5	1.003	SW6	3.1	0.739	0.513	0.0285	
60 minute winter	SW6	1.004	SW7	3.1	0.713	0.514	0.0385	
60 minute winter	SW7	1.005	SW8	3.1	0.728	0.513	0.0044	
60 minute winter	SW8	Flow through Pond	SW9	2.5	0.054	0.001	6.4958	
60 minute winter	SW9	1.007	SW4	0.1	0.251	0.017	0.0006	
60 minute winter	SW10	1.006	SW11	2.1	1.286	0.149	0.0054	
60 minute winter	SW11	Flow through Pond	SW9	2.5	0.054	0.001	6.4958	
60 minute winter	SW12	1.009	SW13	0.3	0.292	0.014	0.0211	
60 minute winter	SW13	1.010	SW21	0.5	0.405	0.010	0.0094	
60 minute winter	SW14	2.000	SW15	0.1	0.288	0.017	0.0080	
60 minute winter	SW15	2.001	SW16	0.1	0.288	0.017	0.0024	
60 minute winter	SW16	2.002	SW17	0.1	0.283	0.017	0.0052	
60 minute winter	SW17	2.003	SW19	0.2	0.360	0.007	0.0032	
60 minute winter	SW18	3.000	SW17	0.1	0.325	0.003	0.0003	
60 minute winter	SW19	2.004	SW13	0.3	0.469	0.011	0.0031	
60 minute winter	SW20	4.000	SW19	0.1	0.229	0.016	0.0007	
60 minute winter	SW21	1.011	SW23	0.6	0.382	0.012	0.0838	
60 minute winter	SW22	5.000	SW21	0.1	0.299	0.009	0.0084	
60 minute winter	SW23	6.010	SW40	1.1	0.563	0.018	0.0160	
60 minute winter	SW24	6.000	SW25	5.2	0.861	0.861	0.1107	
60 minute winter	SW25	6.001	SW26	5.2	0.765	0.861	0.1463	

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Results for 30 year +45% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	SW26	33	12.531	0.091	6.2	0.0000	0.0000	OK
60 minute winter	SW27	32	12.816	0.016	1.0	0.0000	0.0000	OK
60 minute winter	SW28	34	12.463	0.085	8.6	0.0732	0.0000	OK
60 minute winter	SW29	32	12.875	0.045	2.4	0.0000	0.0000	OK
60 minute winter	SW30	34	12.420	0.078	8.6	0.0678	0.0000	OK
60 minute winter	SW31	67	12.036	0.378	8.6	0.0000	0.0000	OK
60 minute winter	SW32	67	12.036	0.382	4.4	0.1080	0.0000	SURCHARGED
60 minute winter	SW33	68	11.580	0.011	0.2	0.0096	0.0000	OK
60 minute winter	SW34	64	13.539	0.189	12.4	18.0585	0.0000	SURCHARGED
60 minute winter	SW35	68	11.430	0.011	0.2	0.0032	0.0000	OK
60 minute winter	SW36	69	11.357	0.011	0.2	0.0031	0.0000	OK
60 minute winter	SW37	68	11.199	0.015	0.4	0.0128	0.0000	OK
60 minute winter	SW38	63	12.991	0.321	10.0	14.3289	0.0000	SURCHARGED
60 minute winter	SW39	64	12.583	0.283	7.6	10.9607	0.0000	SURCHARGED
60 minute winter	SW40	9	10.239	0.001	1.3	0.0007	0.0000	OK
60 minute winter	SW41	64	12.447	0.227	7.6	10.9401	0.0000	SURCHARGED
60 minute winter	SW42	32	12.858	0.038	2.4	0.0000	0.0000	OK
60 minute winter	SW43	32	12.346	0.046	2.4	0.0129	0.0000	OK
60 minute winter	SW44	32	12.257	0.047	2.4	0.0133	0.0000	OK
60 minute winter	SW45	33	12.219	0.060	3.8	0.0170	0.0000	OK
60 minute winter	SW46	34	12.094	0.056	4.5	0.0158	0.0000	OK
60 minute winter	SW47	36	11.463	0.318	8.6	0.0899	0.0000	SURCHARGED
60 minute winter	SW48	34	11.928	0.028	1.0	0.0000	0.0000	OK
60 minute winter	SW49	34	11.933	0.033	1.4	0.0000	0.0000	OK
60 minute winter	SW50	32	11.844	0.043	2.1	0.0068	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	SW26	6.002	SW28	6.2	0.848	1.024	0.0450	
60 minute winter	SW27	7.000	SW26	1.0	0.269	0.054	0.0159	
60 minute winter	SW28	6.003	SW30	8.6	0.879	0.483	0.0351	
60 minute winter	SW29	8.000	SW28	2.4	0.711	0.398	0.0166	
60 minute winter	SW30	6.004	SW31	8.6	0.961	0.484	0.0343	
60 minute winter	SW31	Flow through Pond	SW32	4.4	0.006	0.000	12.2674	
60 minute winter	SW32	6.005	SW33	0.1	0.287	0.017	0.0013	
60 minute winter	SW33	6.006	SW35	0.2	0.328	0.011	0.0088	
60 minute winter	SW34	9.000	SW33	0.1	0.347	0.010	0.0004	
60 minute winter	SW35	6.007	SW36	0.2	0.328	0.011	0.0043	
60 minute winter	SW36	6.008	SW37	0.2	0.263	0.011	0.0120	
60 minute winter	SW37	6.009	SW23	0.4	0.296	0.020	0.0215	
60 minute winter	SW38	10.000	SW37	0.2	0.416	0.020	0.0006	
60 minute winter	SW39	11.000	SW23	0.1	0.345	0.010	0.0004	
60 minute winter	SW40	Pump		1.3				20.1
60 minute winter	SW41	12.000	SW40	0.1	0.357	0.011	0.0006	
60 minute winter	SW42	13.000	SW43	2.4	0.914	0.280	0.0094	
60 minute winter	SW43	13.001	SW44	2.4	0.678	0.398	0.0319	
60 minute winter	SW44	13.002	SW45	2.4	0.564	0.398	0.0219	
60 minute winter	SW45	13.003	SW46	3.8	0.809	0.629	0.0568	
60 minute winter	SW46	13.004	SW47	4.5	1.028	0.561	0.0616	
60 minute winter	SW47	17.000	SW55	8.5	1.080	1.400	0.1160	
60 minute winter	SW48	14.000	SW47	1.0	0.568	0.166	0.0245	
60 minute winter	SW49	15.000	SW50	1.4	0.519	0.232	0.0268	
60 minute winter	SW50	15.001	SW51	2.1	0.759	0.348	0.0358	

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Results for 30 year +45% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	SW51	34	11.706	0.034	2.1	0.0054	0.0000	OK
60 minute winter	SW52	36	11.486	0.286	3.4	0.0809	0.0000	SURCHARGED
60 minute winter	SW53	33	11.938	0.038	1.7	0.0000	0.0000	OK
60 minute winter	SW54	36	11.491	0.220	1.7	0.0624	0.0000	SURCHARGED
60 minute winter	SW55	36	11.119	0.122	8.5	0.0087	0.0000	SURCHARGED
60 minute winter	SW56	69	10.675	0.382	8.4	0.0000	0.0000	OK
60 minute winter	SW57	69	10.676	0.392	6.2	0.1108	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	SW51	15.002	SW52	2.1	0.543	0.250	0.1256	
60 minute winter	SW52	15.003	SW47	3.5	0.473	0.587	0.0434	
60 minute winter	SW53	16.000	SW54	1.7	0.646	0.282	0.0090	
60 minute winter	SW54	16.001	SW52	1.6	0.441	0.266	0.0558	
60 minute winter	SW55	17.001	SW56	8.4	1.080	1.399	0.0096	
60 minute winter	SW56	Flow through Pond	SW57	6.2	0.043	0.001	13.2265	
60 minute winter	SW57	17.002	SW40	0.1	0.572	0.017	0.0011	

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Results for 30 year +45% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	SW1	126	13.195	0.305	25.0	48.9194	0.0000	SURCHARGED
120 minute summer	SW2	128	12.592	0.010	0.2	0.0030	0.0000	OK
120 minute summer	SW3	128	12.454	0.010	0.2	0.0027	0.0000	OK
120 minute summer	SW4	128	12.242	0.013	0.3	0.0000	0.0000	OK
120 minute summer	SW5	64	13.149	0.049	2.8	0.0000	0.0000	OK
120 minute summer	SW6	64	13.082	0.050	2.8	0.0079	0.0000	OK
120 minute summer	SW7	64	12.995	0.052	2.8	0.0037	0.0000	OK
120 minute summer	SW8	126	12.705	0.450	2.8	0.0000	0.0000	OK
120 minute summer	SW9	126	12.705	0.462	2.2	0.1309	0.0000	SURCHARGED
120 minute summer	SW10	64	13.145	0.025	1.9	0.0000	0.0000	OK
120 minute summer	SW11	126	12.705	0.450	1.9	0.0000	0.0000	OK
120 minute summer	SW12	130	11.886	0.013	0.3	0.0037	0.0000	OK
120 minute summer	SW13	130	11.646	0.017	0.6	0.0148	0.0000	OK
120 minute summer	SW14	124	13.408	0.288	5.3	10.0506	0.0000	FLOOD RISK
120 minute summer	SW15	126	12.901	0.009	0.1	0.0027	0.0000	OK
120 minute summer	SW16	128	12.831	0.009	0.1	0.0027	0.0000	OK
120 minute summer	SW17	128	12.687	0.010	0.2	0.0084	0.0000	OK
120 minute summer	SW18	126	13.093	0.223	23.7	46.7076	0.0000	SURCHARGED
120 minute summer	SW19	128	12.565	0.012	0.3	0.0034	0.0000	OK
120 minute summer	SW20	124	12.824	0.254	5.0	9.4462	0.0000	FLOOD RISK
120 minute summer	SW21	130	11.576	0.018	0.7	0.0050	0.0000	OK
120 minute summer	SW22	126	12.202	0.242	7.5	14.4609	0.0000	FLOOD RISK
120 minute summer	SW23	130	11.032	0.023	1.2	0.0064	0.0000	OK
120 minute summer	SW24	64	12.907	0.067	4.7	0.0000	0.0000	OK
120 minute summer	SW25	64	12.723	0.066	4.7	0.0187	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	SW1	1.000	SW2	0.2	0.311	0.009	0.0161	
120 minute summer	SW2	1.001	SW3	0.2	0.325	0.009	0.0069	
120 minute summer	SW3	1.002	SW4	0.2	0.269	0.008	0.0102	
120 minute summer	SW4	1.008	SW12	0.3	0.371	0.016	0.0265	
120 minute summer	SW5	1.003	SW6	2.8	0.723	0.464	0.0263	
120 minute summer	SW6	1.004	SW7	2.8	0.696	0.464	0.0356	
120 minute summer	SW7	1.005	SW8	2.8	0.710	0.464	0.0041	
120 minute summer	SW8	Flow through Pond	SW9	2.2	0.041	0.001	7.8043	
120 minute summer	SW9	1.007	SW4	0.1	0.234	0.019	0.0007	
120 minute summer	SW10	1.006	SW11	1.9	1.249	0.135	0.0051	
120 minute summer	SW11	Flow through Pond	SW9	2.2	0.041	0.001	7.8043	
120 minute summer	SW12	1.009	SW13	0.3	0.301	0.016	0.0225	
120 minute summer	SW13	1.010	SW21	0.6	0.417	0.011	0.0100	
120 minute summer	SW14	2.000	SW15	0.1	0.296	0.018	0.0085	
120 minute summer	SW15	2.001	SW16	0.1	0.296	0.018	0.0026	
120 minute summer	SW16	2.002	SW17	0.1	0.290	0.018	0.0055	
120 minute summer	SW17	2.003	SW19	0.2	0.369	0.008	0.0034	
120 minute summer	SW18	3.000	SW17	0.1	0.334	0.004	0.0003	
120 minute summer	SW19	2.004	SW13	0.3	0.483	0.012	0.0033	
120 minute summer	SW20	4.000	SW19	0.1	0.236	0.017	0.0008	
120 minute summer	SW21	1.011	SW23	0.7	0.393	0.013	0.0896	
120 minute summer	SW22	5.000	SW21	0.1	0.260	0.010	0.0090	
120 minute summer	SW23	6.010	SW40	1.2	0.578	0.020	0.0171	
120 minute summer	SW24	6.000	SW25	4.7	0.848	0.779	0.1017	
120 minute summer	SW25	6.001	SW26	4.7	0.761	0.778	0.1335	

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Results for 30 year +45% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	SW26	64	12.521	0.081	5.6	0.0000	0.0000	OK
120 minute summer	SW27	62	12.815	0.015	0.9	0.0000	0.0000	OK
120 minute summer	SW28	64	12.458	0.080	7.8	0.0689	0.0000	OK
120 minute summer	SW29	64	12.873	0.043	2.2	0.0000	0.0000	OK
120 minute summer	SW30	64	12.416	0.074	7.8	0.0640	0.0000	OK
120 minute summer	SW31	128	12.115	0.457	7.8	0.0000	0.0000	OK
120 minute summer	SW32	128	12.115	0.461	4.0	0.1303	0.0000	SURCHARGED
120 minute summer	SW33	128	11.581	0.012	0.2	0.0100	0.0000	OK
120 minute summer	SW34	126	13.579	0.229	11.2	21.8864	0.0000	SURCHARGED
120 minute summer	SW35	130	11.431	0.012	0.2	0.0033	0.0000	OK
120 minute summer	SW36	130	11.358	0.012	0.2	0.0033	0.0000	OK
120 minute summer	SW37	128	11.200	0.016	0.4	0.0134	0.0000	OK
120 minute summer	SW38	124	13.053	0.383	9.1	17.1664	0.0000	SURCHARGED
120 minute summer	SW39	126	12.640	0.340	6.9	13.2055	0.0000	SURCHARGED
120 minute summer	SW40	120	10.239	0.001	1.4	0.0006	0.0000	OK
120 minute summer	SW41	124	12.492	0.272	6.9	13.1608	0.0000	SURCHARGED
120 minute summer	SW42	64	12.856	0.036	2.2	0.0000	0.0000	OK
120 minute summer	SW43	64	12.343	0.043	2.2	0.0122	0.0000	OK
120 minute summer	SW44	64	12.255	0.045	2.2	0.0126	0.0000	OK
120 minute summer	SW45	64	12.215	0.056	3.4	0.0158	0.0000	OK
120 minute summer	SW46	64	12.090	0.052	4.0	0.0147	0.0000	OK
120 minute summer	SW47	66	11.382	0.237	7.6	0.0670	0.0000	SURCHARGED
120 minute summer	SW48	64	11.926	0.026	0.9	0.0000	0.0000	OK
120 minute summer	SW49	64	11.930	0.030	1.2	0.0000	0.0000	OK
120 minute summer	SW50	64	11.840	0.039	1.8	0.0062	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	SW26	6.002	SW28	5.6	0.831	0.927	0.0417	
120 minute summer	SW27	7.000	SW26	0.9	0.733	0.048	0.0145	
120 minute summer	SW28	6.003	SW30	7.8	0.861	0.439	0.0326	
120 minute summer	SW29	8.000	SW28	2.2	0.696	0.364	0.0155	
120 minute summer	SW30	6.004	SW31	7.8	0.938	0.439	0.0319	
120 minute summer	SW31	Flow through Pond	SW32	4.0	0.007	0.000	14.8157	
120 minute summer	SW32	6.005	SW33	0.1	0.295	0.019	0.0014	
120 minute summer	SW33	6.006	SW35	0.2	0.338	0.012	0.0094	
120 minute summer	SW34	9.000	SW33	0.1	0.357	0.011	0.0004	
120 minute summer	SW35	6.007	SW36	0.2	0.338	0.012	0.0046	
120 minute summer	SW36	6.008	SW37	0.2	0.271	0.012	0.0128	
120 minute summer	SW37	6.009	SW23	0.4	0.304	0.022	0.0230	
120 minute summer	SW38	10.000	SW37	0.2	0.427	0.021	0.0006	
120 minute summer	SW39	11.000	SW23	0.1	0.355	0.011	0.0004	
120 minute summer	SW40	Pump		1.5				25.8
120 minute summer	SW41	12.000	SW40	0.1	0.368	0.013	0.0006	
120 minute summer	SW42	13.000	SW43	2.2	0.893	0.256	0.0088	
120 minute summer	SW43	13.001	SW44	2.2	0.664	0.364	0.0298	
120 minute summer	SW44	13.002	SW45	2.2	0.558	0.364	0.0203	
120 minute summer	SW45	13.003	SW46	3.4	0.791	0.563	0.0519	
120 minute summer	SW46	13.004	SW47	4.0	1.000	0.499	0.0563	
120 minute summer	SW47	17.000	SW55	7.5	0.964	1.250	0.1160	
120 minute summer	SW48	14.000	SW47	0.9	0.552	0.149	0.0227	
120 minute summer	SW49	15.000	SW50	1.2	0.498	0.199	0.0239	
120 minute summer	SW50	15.001	SW51	1.8	0.728	0.298	0.0320	

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Results for 30 year +45% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	SW51	64	11.704	0.032	1.8	0.0050	0.0000	OK
120 minute summer	SW52	66	11.399	0.199	3.1	0.0564	0.0000	SURCHARGED
120 minute summer	SW53	64	11.937	0.037	1.6	0.0000	0.0000	OK
120 minute summer	SW54	66	11.404	0.133	1.6	0.0376	0.0000	SURCHARGED
120 minute summer	SW55	66	11.108	0.111	7.5	0.0079	0.0000	SURCHARGED
120 minute summer	SW56	130	10.758	0.464	7.5	0.0000	0.0000	OK
120 minute summer	SW57	130	10.758	0.474	4.0	0.1342	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	SW51	15.002	SW52	1.8	0.543	0.215	0.1226	
120 minute summer	SW52	15.003	SW47	3.2	0.477	0.534	0.0434	
120 minute summer	SW53	16.000	SW54	1.6	0.635	0.265	0.0086	
120 minute summer	SW54	16.001	SW52	1.5	0.441	0.251	0.0558	
120 minute summer	SW55	17.001	SW56	7.5	0.964	1.247	0.0095	
120 minute summer	SW56	Flow through Pond	SW57	4.0	0.021	0.000	16.0514	
120 minute summer	SW57	17.002	SW40	0.1	0.585	0.019	0.0014	

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Results for 30 year +45% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	SW1	124	13.195	0.305	17.2	48.9564	0.0000	SURCHARGED
120 minute winter	SW2	126	12.592	0.010	0.2	0.0030	0.0000	OK
120 minute winter	SW3	126	12.454	0.010	0.2	0.0028	0.0000	OK
120 minute winter	SW4	126	12.242	0.013	0.3	0.0000	0.0000	OK
120 minute winter	SW5	62	13.139	0.039	1.9	0.0000	0.0000	OK
120 minute winter	SW6	64	13.072	0.040	1.9	0.0063	0.0000	OK
120 minute winter	SW7	62	12.985	0.042	1.9	0.0030	0.0000	OK
120 minute winter	SW8	122	12.699	0.444	1.9	0.0000	0.0000	OK
120 minute winter	SW9	124	12.699	0.456	1.5	0.1289	0.0000	SURCHARGED
120 minute winter	SW10	62	13.141	0.021	1.3	0.0000	0.0000	OK
120 minute winter	SW11	124	12.699	0.444	1.3	0.0000	0.0000	OK
120 minute winter	SW12	128	11.886	0.013	0.3	0.0037	0.0000	OK
120 minute winter	SW13	126	11.646	0.017	0.6	0.0148	0.0000	OK
120 minute winter	SW14	122	13.408	0.288	3.7	10.0581	0.0000	FLOOD RISK
120 minute winter	SW15	124	12.901	0.009	0.1	0.0027	0.0000	OK
120 minute winter	SW16	124	12.831	0.009	0.1	0.0027	0.0000	OK
120 minute winter	SW17	126	12.687	0.010	0.2	0.0084	0.0000	OK
120 minute winter	SW18	126	13.094	0.224	16.3	46.7613	0.0000	SURCHARGED
120 minute winter	SW19	124	12.565	0.012	0.3	0.0034	0.0000	OK
120 minute winter	SW20	122	12.825	0.255	3.4	9.4644	0.0000	FLOOD RISK
120 minute winter	SW21	128	11.576	0.018	0.7	0.0050	0.0000	OK
120 minute winter	SW22	124	12.201	0.241	5.2	14.3904	0.0000	FLOOD RISK
120 minute winter	SW23	128	11.032	0.023	1.2	0.0064	0.0000	OK
120 minute winter	SW24	62	12.892	0.052	3.2	0.0000	0.0000	OK
120 minute winter	SW25	66	12.709	0.052	3.2	0.0146	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	SW1	1.000	SW2	0.2	0.311	0.009	0.0161	
120 minute winter	SW2	1.001	SW3	0.2	0.325	0.009	0.0069	
120 minute winter	SW3	1.002	SW4	0.2	0.269	0.008	0.0102	
120 minute winter	SW4	1.008	SW12	0.3	0.371	0.016	0.0265	
120 minute winter	SW5	1.003	SW6	1.9	0.660	0.315	0.0196	
120 minute winter	SW6	1.004	SW7	1.9	0.634	0.315	0.0265	
120 minute winter	SW7	1.005	SW8	1.9	0.642	0.315	0.0031	
120 minute winter	SW8	Flow through Pond	SW9	1.5	0.028	0.000	7.6867	
120 minute winter	SW9	1.007	SW4	0.1	0.233	0.019	0.0007	
120 minute winter	SW10	1.006	SW11	1.3	1.119	0.092	0.0039	
120 minute winter	SW11	Flow through Pond	SW9	1.5	0.028	0.000	7.6867	
120 minute winter	SW12	1.009	SW13	0.3	0.301	0.016	0.0225	
120 minute winter	SW13	1.010	SW21	0.6	0.417	0.011	0.0100	
120 minute winter	SW14	2.000	SW15	0.1	0.296	0.018	0.0085	
120 minute winter	SW15	2.001	SW16	0.1	0.296	0.018	0.0026	
120 minute winter	SW16	2.002	SW17	0.1	0.290	0.018	0.0055	
120 minute winter	SW17	2.003	SW19	0.2	0.369	0.008	0.0034	
120 minute winter	SW18	3.000	SW17	0.1	0.334	0.004	0.0003	
120 minute winter	SW19	2.004	SW13	0.3	0.483	0.012	0.0033	
120 minute winter	SW20	4.000	SW19	0.1	0.236	0.017	0.0008	
120 minute winter	SW21	1.011	SW23	0.7	0.393	0.013	0.0895	
120 minute winter	SW22	5.000	SW21	0.1	0.261	0.010	0.0090	
120 minute winter	SW23	6.010	SW40	1.2	0.578	0.020	0.0171	
120 minute winter	SW24	6.000	SW25	3.2	0.779	0.530	0.0753	
120 minute winter	SW25	6.001	SW26	3.2	0.711	0.530	0.0977	

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Results for 30 year +45% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	SW26	66	12.500	0.060	3.8	0.0000	0.0000	OK
120 minute winter	SW27	58	12.812	0.012	0.6	0.0000	0.0000	OK
120 minute winter	SW28	66	12.441	0.063	5.3	0.0545	0.0000	OK
120 minute winter	SW29	62	12.865	0.035	1.5	0.0000	0.0000	OK
120 minute winter	SW30	66	12.401	0.059	5.3	0.0512	0.0000	OK
120 minute winter	SW31	126	12.118	0.460	5.3	0.0000	0.0000	OK
120 minute winter	SW32	126	12.118	0.464	2.7	0.1312	0.0000	SURCHARGED
120 minute winter	SW33	126	11.581	0.012	0.2	0.0101	0.0000	OK
120 minute winter	SW34	124	13.580	0.230	7.7	21.9750	0.0000	SURCHARGED
120 minute winter	SW35	128	11.431	0.012	0.2	0.0033	0.0000	OK
120 minute winter	SW36	128	11.358	0.012	0.2	0.0033	0.0000	OK
120 minute winter	SW37	126	11.200	0.016	0.4	0.0135	0.0000	OK
120 minute winter	SW38	122	13.054	0.384	6.2	17.2170	0.0000	SURCHARGED
120 minute winter	SW39	124	12.639	0.339	4.7	13.1575	0.0000	SURCHARGED
120 minute winter	SW40	118	10.239	0.001	1.4	0.0006	0.0000	OK
120 minute winter	SW41	122	12.491	0.271	4.7	13.1140	0.0000	SURCHARGED
120 minute winter	SW42	62	12.849	0.029	1.5	0.0000	0.0000	OK
120 minute winter	SW43	64	12.335	0.035	1.5	0.0099	0.0000	OK
120 minute winter	SW44	66	12.246	0.036	1.5	0.0101	0.0000	OK
120 minute winter	SW45	64	12.204	0.045	2.4	0.0129	0.0000	OK
120 minute winter	SW46	64	12.080	0.042	2.8	0.0119	0.0000	OK
120 minute winter	SW47	64	11.229	0.084	5.8	0.0237	0.0000	OK
120 minute winter	SW48	60	11.921	0.021	0.6	0.0000	0.0000	OK
120 minute winter	SW49	64	11.926	0.026	0.9	0.0000	0.0000	OK
120 minute winter	SW50	64	11.834	0.033	1.3	0.0052	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	SW26	6.002	SW28	3.8	0.752	0.629	0.0313	
120 minute winter	SW27	7.000	SW26	0.6	0.253	0.032	0.0105	
120 minute winter	SW28	6.003	SW30	5.3	0.788	0.299	0.0242	
120 minute winter	SW29	8.000	SW28	1.5	0.629	0.248	0.0117	
120 minute winter	SW30	6.004	SW31	5.3	0.850	0.299	0.0239	
120 minute winter	SW31	Flow through Pond	SW32	2.7	0.005	0.000	14.9121	
120 minute winter	SW32	6.005	SW33	0.1	0.295	0.019	0.0014	
120 minute winter	SW33	6.006	SW35	0.2	0.338	0.012	0.0094	
120 minute winter	SW34	9.000	SW33	0.1	0.357	0.011	0.0004	
120 minute winter	SW35	6.007	SW36	0.2	0.339	0.012	0.0046	
120 minute winter	SW36	6.008	SW37	0.2	0.271	0.012	0.0128	
120 minute winter	SW37	6.009	SW23	0.4	0.305	0.022	0.0230	
120 minute winter	SW38	10.000	SW37	0.2	0.427	0.021	0.0006	
120 minute winter	SW39	11.000	SW23	0.1	0.355	0.011	0.0004	
120 minute winter	SW40	Pump		1.4				24.6
120 minute winter	SW41	12.000	SW40	0.1	0.368	0.012	0.0006	
120 minute winter	SW42	13.000	SW43	1.5	0.806	0.175	0.0067	
120 minute winter	SW43	13.001	SW44	1.5	0.610	0.248	0.0222	
120 minute winter	SW44	13.002	SW45	1.5	0.513	0.249	0.0153	
120 minute winter	SW45	13.003	SW46	2.4	0.730	0.398	0.0397	
120 minute winter	SW46	13.004	SW47	2.8	0.915	0.349	0.0430	
120 minute winter	SW47	17.000	SW55	5.8	0.823	0.960	0.1045	
120 minute winter	SW48	14.000	SW47	0.6	0.491	0.099	0.0170	
120 minute winter	SW49	15.000	SW50	0.9	0.467	0.149	0.0191	
120 minute winter	SW50	15.001	SW51	1.3	0.666	0.215	0.0253	

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Results for 30 year +45% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	SW51	64	11.699	0.027	1.3	0.0042	0.0000	OK
120 minute winter	SW52	64	11.244	0.044	2.4	0.0124	0.0000	OK
120 minute winter	SW53	64	11.930	0.030	1.1	0.0000	0.0000	OK
120 minute winter	SW54	64	11.300	0.029	1.1	0.0082	0.0000	OK
120 minute winter	SW55	64	11.082	0.085	5.8	0.0060	0.0000	OK
120 minute winter	SW56	128	10.764	0.470	5.8	0.0000	0.0000	OK
120 minute winter	SW57	128	10.764	0.480	3.6	0.1359	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	SW51	15.002	SW52	1.3	0.528	0.155	0.0613	
120 minute winter	SW52	15.003	SW47	2.4	0.457	0.397	0.0286	
120 minute winter	SW53	16.000	SW54	1.1	0.574	0.182	0.0065	
120 minute winter	SW54	16.001	SW52	1.1	0.433	0.182	0.0184	
120 minute winter	SW55	17.001	SW56	5.8	0.852	0.959	0.0085	
120 minute winter	SW56	Flow through Pond	SW57	3.6	0.021	0.000	16.2574	
120 minute winter	SW57	17.002	SW40	0.1	0.587	0.020	0.0014	

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Results for 30 year +45% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	SW1	188	13.225	0.335	18.5	53.8558	0.0000	SURCHARGED
180 minute summer	SW2	188	12.593	0.011	0.2	0.0030	0.0000	OK
180 minute summer	SW3	188	12.454	0.010	0.2	0.0028	0.0000	OK
180 minute summer	SW4	188	12.242	0.013	0.3	0.0000	0.0000	OK
180 minute summer	SW5	96	13.142	0.042	2.1	0.0000	0.0000	OK
180 minute summer	SW6	96	13.074	0.042	2.1	0.0067	0.0000	OK
180 minute summer	SW7	96	12.987	0.044	2.1	0.0031	0.0000	OK
180 minute summer	SW8	188	12.737	0.482	2.1	0.0000	0.0000	OK
180 minute summer	SW9	188	12.737	0.494	1.6	0.1398	0.0000	SURCHARGED
180 minute summer	SW10	96	13.141	0.021	1.4	0.0000	0.0000	OK
180 minute summer	SW11	188	12.737	0.482	1.4	0.0000	0.0000	OK
180 minute summer	SW12	192	11.886	0.013	0.3	0.0038	0.0000	OK
180 minute summer	SW13	188	11.646	0.017	0.6	0.0151	0.0000	OK
180 minute summer	SW14	184	13.433	0.313	3.9	10.9233	0.0000	FLOOD RISK
180 minute summer	SW15	188	12.902	0.010	0.1	0.0027	0.0000	OK
180 minute summer	SW16	188	12.832	0.010	0.1	0.0027	0.0000	OK
180 minute summer	SW17	188	12.687	0.010	0.2	0.0086	0.0000	OK
180 minute summer	SW18	188	13.117	0.247	17.6	51.6974	0.0000	SURCHARGED
180 minute summer	SW19	188	12.565	0.012	0.3	0.0035	0.0000	OK
180 minute summer	SW20	184	12.846	0.276	3.7	10.2544	0.0000	FLOOD RISK
180 minute summer	SW21	192	11.576	0.018	0.7	0.0052	0.0000	OK
180 minute summer	SW22	184	12.225	0.265	5.6	15.8370	0.0000	FLOOD RISK
180 minute summer	SW23	192	11.032	0.023	1.2	0.0066	0.0000	OK
180 minute summer	SW24	96	12.895	0.055	3.5	0.0000	0.0000	OK
180 minute summer	SW25	96	12.712	0.055	3.5	0.0154	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	SW1	1.000	SW2	0.2	0.316	0.010	0.0167	
180 minute summer	SW2	1.001	SW3	0.2	0.330	0.010	0.0071	
180 minute summer	SW3	1.002	SW4	0.2	0.273	0.008	0.0105	
180 minute summer	SW4	1.008	SW12	0.3	0.376	0.016	0.0274	
180 minute summer	SW5	1.003	SW6	2.1	0.677	0.348	0.0211	
180 minute summer	SW6	1.004	SW7	2.1	0.650	0.348	0.0286	
180 minute summer	SW7	1.005	SW8	2.1	0.659	0.348	0.0033	
180 minute summer	SW8	Flow through Pond	SW9	1.6	0.024	0.000	8.3452	
180 minute summer	SW9	1.007	SW4	0.1	0.235	0.019	0.0007	
180 minute summer	SW10	1.006	SW11	1.4	1.144	0.100	0.0041	
180 minute summer	SW11	Flow through Pond	SW9	1.6	0.024	0.000	8.3452	
180 minute summer	SW12	1.009	SW13	0.3	0.305	0.016	0.0232	
180 minute summer	SW13	1.010	SW21	0.6	0.423	0.012	0.0103	
180 minute summer	SW14	2.000	SW15	0.1	0.299	0.019	0.0088	
180 minute summer	SW15	2.001	SW16	0.1	0.299	0.019	0.0027	
180 minute summer	SW16	2.002	SW17	0.1	0.293	0.019	0.0057	
180 minute summer	SW17	2.003	SW19	0.2	0.374	0.008	0.0035	
180 minute summer	SW18	3.000	SW17	0.1	0.338	0.004	0.0003	
180 minute summer	SW19	2.004	SW13	0.3	0.490	0.013	0.0034	
180 minute summer	SW20	4.000	SW19	0.1	0.239	0.018	0.0008	
180 minute summer	SW21	1.011	SW23	0.7	0.398	0.013	0.0924	
180 minute summer	SW22	5.000	SW21	0.1	0.240	0.011	0.0093	
180 minute summer	SW23	6.010	SW40	1.2	0.586	0.021	0.0177	
180 minute summer	SW24	6.000	SW25	3.5	0.796	0.580	0.0806	
180 minute summer	SW25	6.001	SW26	3.5	0.721	0.580	0.1053	

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Results for 30 year +45% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	SW26	96	12.504	0.064	4.2	0.0000	0.0000	OK
180 minute summer	SW27	96	12.813	0.013	0.7	0.0000	0.0000	OK
180 minute summer	SW28	96	12.444	0.066	5.8	0.0575	0.0000	OK
180 minute summer	SW29	96	12.866	0.036	1.6	0.0000	0.0000	OK
180 minute summer	SW30	96	12.404	0.062	5.8	0.0539	0.0000	OK
180 minute summer	SW31	188	12.164	0.506	5.8	0.0000	0.0000	OK
180 minute summer	SW32	188	12.164	0.510	3.0	0.1443	0.0000	SURCHARGED
180 minute summer	SW33	192	11.581	0.012	0.2	0.0103	0.0000	OK
180 minute summer	SW34	188	13.600	0.250	8.3	23.9952	0.0000	FLOOD RISK
180 minute summer	SW35	192	11.431	0.012	0.2	0.0034	0.0000	OK
180 minute summer	SW36	192	11.358	0.012	0.2	0.0034	0.0000	OK
180 minute summer	SW37	188	11.200	0.016	0.4	0.0137	0.0000	OK
180 minute summer	SW38	184	13.087	0.417	6.7	18.6836	0.0000	SURCHARGED
180 minute summer	SW39	184	12.671	0.371	5.1	14.4221	0.0000	SURCHARGED
180 minute summer	SW40	192	10.239	0.001	1.5	0.0006	0.0000	OK
180 minute summer	SW41	184	12.516	0.296	5.1	14.3538	0.0000	FLOOD RISK
180 minute summer	SW42	96	12.850	0.030	1.6	0.0000	0.0000	OK
180 minute summer	SW43	96	12.336	0.036	1.6	0.0102	0.0000	OK
180 minute summer	SW44	96	12.247	0.037	1.6	0.0105	0.0000	OK
180 minute summer	SW45	96	12.205	0.046	2.5	0.0131	0.0000	OK
180 minute summer	SW46	96	12.082	0.044	3.0	0.0124	0.0000	OK
180 minute summer	SW47	96	11.245	0.100	6.2	0.0284	0.0000	SURCHARGED
180 minute summer	SW48	96	11.923	0.023	0.7	0.0000	0.0000	OK
180 minute summer	SW49	96	11.926	0.026	0.9	0.0000	0.0000	OK
180 minute summer	SW50	96	11.835	0.034	1.4	0.0054	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	SW26	6.002	SW28	4.2	0.775	0.696	0.0335	
180 minute summer	SW27	7.000	SW26	0.7	0.253	0.037	0.0114	
180 minute summer	SW28	6.003	SW30	5.8	0.805	0.327	0.0259	
180 minute summer	SW29	8.000	SW28	1.6	0.640	0.265	0.0123	
180 minute summer	SW30	6.004	SW31	5.8	0.870	0.327	0.0256	
180 minute summer	SW31	Flow through Pond	SW32	3.0	0.005	0.000	16.4143	
180 minute summer	SW32	6.005	SW33	0.1	0.299	0.020	0.0014	
180 minute summer	SW33	6.006	SW35	0.2	0.343	0.013	0.0097	
180 minute summer	SW34	9.000	SW33	0.1	0.362	0.012	0.0004	
180 minute summer	SW35	6.007	SW36	0.2	0.343	0.013	0.0047	
180 minute summer	SW36	6.008	SW37	0.2	0.275	0.013	0.0132	
180 minute summer	SW37	6.009	SW23	0.4	0.309	0.023	0.0237	
180 minute summer	SW38	10.000	SW37	0.2	0.432	0.022	0.0006	
180 minute summer	SW39	11.000	SW23	0.1	0.360	0.012	0.0004	
180 minute summer	SW40	Pump		1.5				29.7
180 minute summer	SW41	12.000	SW40	0.1	0.373	0.013	0.0006	
180 minute summer	SW42	13.000	SW43	1.6	0.820	0.187	0.0070	
180 minute summer	SW43	13.001	SW44	1.6	0.618	0.265	0.0233	
180 minute summer	SW44	13.002	SW45	1.6	0.518	0.265	0.0159	
180 minute summer	SW45	13.003	SW46	2.5	0.731	0.414	0.0413	
180 minute summer	SW46	13.004	SW47	3.0	0.931	0.374	0.0453	
180 minute summer	SW47	17.000	SW55	6.2	0.823	1.028	0.1132	
180 minute summer	SW48	14.000	SW47	0.7	0.513	0.116	0.0190	
180 minute summer	SW49	15.000	SW50	0.9	0.453	0.149	0.0197	
180 minute summer	SW50	15.001	SW51	1.4	0.680	0.232	0.0267	

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Results for 30 year +45% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	SW51	96	11.700	0.028	1.4	0.0044	0.0000	OK
180 minute summer	SW52	96	11.252	0.052	2.6	0.0147	0.0000	OK
180 minute summer	SW53	96	11.931	0.031	1.2	0.0000	0.0000	OK
180 minute summer	SW54	96	11.301	0.030	1.2	0.0086	0.0000	OK
180 minute summer	SW55	96	11.087	0.090	6.2	0.0064	0.0000	OK
180 minute summer	SW56	192	10.804	0.511	6.2	0.0000	0.0000	OK
180 minute summer	SW57	192	10.805	0.521	3.2	0.1474	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	SW51	15.002	SW52	1.4	0.535	0.167	0.0726	
180 minute summer	SW52	15.003	SW47	2.5	0.450	0.420	0.0331	
180 minute summer	SW53	16.000	SW54	1.2	0.588	0.199	0.0070	
180 minute summer	SW54	16.001	SW52	1.2	0.440	0.199	0.0218	
180 minute summer	SW55	17.001	SW56	6.2	0.871	1.028	0.0089	
180 minute summer	SW56	Flow through Pond	SW57	3.2	0.016	0.000	17.6412	
180 minute summer	SW57	17.002	SW40	0.1	0.585	0.020	0.0015	

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Results for 30 year +45% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	SW1	184	13.225	0.335	12.7	53.8937	0.0000	SURCHARGED
180 minute winter	SW2	188	12.593	0.011	0.2	0.0030	0.0000	OK
180 minute winter	SW3	188	12.454	0.010	0.2	0.0028	0.0000	OK
180 minute winter	SW4	184	12.242	0.013	0.3	0.0000	0.0000	OK
180 minute winter	SW5	92	13.133	0.033	1.4	0.0000	0.0000	OK
180 minute winter	SW6	92	13.066	0.034	1.4	0.0053	0.0000	OK
180 minute winter	SW7	92	12.978	0.035	1.4	0.0025	0.0000	OK
180 minute winter	SW8	184	12.749	0.494	1.4	0.0000	0.0000	OK
180 minute winter	SW9	184	12.749	0.506	1.1	0.1432	0.0000	SURCHARGED
180 minute winter	SW10	96	13.138	0.018	1.0	0.0000	0.0000	OK
180 minute winter	SW11	184	12.749	0.494	1.0	0.0000	0.0000	OK
180 minute winter	SW12	188	11.886	0.013	0.3	0.0038	0.0000	OK
180 minute winter	SW13	188	11.646	0.017	0.6	0.0151	0.0000	OK
180 minute winter	SW14	184	13.434	0.314	2.7	10.9459	0.0000	FLOOD RISK
180 minute winter	SW15	184	12.902	0.010	0.1	0.0027	0.0000	OK
180 minute winter	SW16	184	12.832	0.010	0.1	0.0027	0.0000	OK
180 minute winter	SW17	188	12.687	0.010	0.2	0.0086	0.0000	OK
180 minute winter	SW18	184	13.117	0.247	12.1	51.8154	0.0000	SURCHARGED
180 minute winter	SW19	184	12.565	0.012	0.3	0.0035	0.0000	OK
180 minute winter	SW20	180	12.846	0.276	2.5	10.2545	0.0000	FLOOD RISK
180 minute winter	SW21	188	11.576	0.018	0.7	0.0052	0.0000	OK
180 minute winter	SW22	184	12.224	0.264	3.8	15.8110	0.0000	FLOOD RISK
180 minute winter	SW23	188	11.032	0.023	1.2	0.0066	0.0000	OK
180 minute winter	SW24	96	12.884	0.044	2.4	0.0000	0.0000	OK
180 minute winter	SW25	96	12.701	0.044	2.4	0.0124	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	SW1	1.000	SW2	0.2	0.316	0.010	0.0167	
180 minute winter	SW2	1.001	SW3	0.2	0.330	0.010	0.0072	
180 minute winter	SW3	1.002	SW4	0.2	0.273	0.008	0.0105	
180 minute winter	SW4	1.008	SW12	0.3	0.377	0.016	0.0275	
180 minute winter	SW5	1.003	SW6	1.4	0.611	0.232	0.0156	
180 minute winter	SW6	1.004	SW7	1.4	0.587	0.232	0.0211	
180 minute winter	SW7	1.005	SW8	1.4	0.592	0.232	0.0025	
180 minute winter	SW8	Flow through Pond	SW9	1.1	0.019	0.000	8.5493	
180 minute winter	SW9	1.007	SW4	0.1	0.237	0.020	0.0007	
180 minute winter	SW10	1.006	SW11	1.0	1.035	0.071	0.0032	
180 minute winter	SW11	Flow through Pond	SW9	1.1	0.019	0.000	8.5493	
180 minute winter	SW12	1.009	SW13	0.3	0.306	0.016	0.0233	
180 minute winter	SW13	1.010	SW21	0.6	0.423	0.012	0.0103	
180 minute winter	SW14	2.000	SW15	0.1	0.299	0.019	0.0088	
180 minute winter	SW15	2.001	SW16	0.1	0.299	0.019	0.0027	
180 minute winter	SW16	2.002	SW17	0.1	0.293	0.019	0.0057	
180 minute winter	SW17	2.003	SW19	0.2	0.374	0.008	0.0035	
180 minute winter	SW18	3.000	SW17	0.1	0.339	0.004	0.0003	
180 minute winter	SW19	2.004	SW13	0.3	0.490	0.013	0.0034	
180 minute winter	SW20	4.000	SW19	0.1	0.239	0.018	0.0008	
180 minute winter	SW21	1.011	SW23	0.7	0.398	0.013	0.0925	
180 minute winter	SW22	5.000	SW21	0.1	0.210	0.011	0.0093	
180 minute winter	SW23	6.010	SW40	1.2	0.586	0.021	0.0177	
180 minute winter	SW24	6.000	SW25	2.4	0.724	0.398	0.0607	
180 minute winter	SW25	6.001	SW26	2.4	0.661	0.398	0.0788	

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Results for 30 year +45% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	SW26	96	12.491	0.051	2.9	0.0000	0.0000	OK
180 minute winter	SW27	92	12.811	0.011	0.5	0.0000	0.0000	OK
180 minute winter	SW28	96	12.431	0.053	4.0	0.0463	0.0000	OK
180 minute winter	SW29	92	12.860	0.030	1.1	0.0000	0.0000	OK
180 minute winter	SW30	96	12.393	0.051	4.0	0.0439	0.0000	OK
180 minute winter	SW31	184	12.160	0.502	4.0	0.0000	0.0000	OK
180 minute winter	SW32	184	12.160	0.506	2.1	0.1433	0.0000	SURCHARGED
180 minute winter	SW33	188	11.581	0.012	0.2	0.0103	0.0000	OK
180 minute winter	SW34	184	13.600	0.250	5.7	23.9952	0.0000	FLOOD RISK
180 minute winter	SW35	188	11.431	0.012	0.2	0.0034	0.0000	OK
180 minute winter	SW36	188	11.358	0.012	0.2	0.0033	0.0000	OK
180 minute winter	SW37	188	11.200	0.016	0.4	0.0137	0.0000	OK
180 minute winter	SW38	184	13.086	0.416	4.6	18.6359	0.0000	SURCHARGED
180 minute winter	SW39	184	12.672	0.372	3.5	14.4460	0.0000	SURCHARGED
180 minute winter	SW40	188	10.239	0.001	1.5	0.0006	0.0000	OK
180 minute winter	SW41	184	12.517	0.297	3.5	14.3778	0.0000	FLOOD RISK
180 minute winter	SW42	92	12.845	0.025	1.1	0.0000	0.0000	OK
180 minute winter	SW43	92	12.330	0.030	1.1	0.0084	0.0000	OK
180 minute winter	SW44	92	12.240	0.030	1.1	0.0085	0.0000	OK
180 minute winter	SW45	92	12.196	0.037	1.7	0.0106	0.0000	OK
180 minute winter	SW46	96	12.073	0.035	2.0	0.0099	0.0000	OK
180 minute winter	SW47	96	11.209	0.064	4.2	0.0180	0.0000	OK
180 minute winter	SW48	92	11.920	0.020	0.5	0.0000	0.0000	OK
180 minute winter	SW49	88	11.921	0.021	0.6	0.0000	0.0000	OK
180 minute winter	SW50	88	11.828	0.027	0.9	0.0043	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	SW26	6.002	SW28	2.9	0.705	0.480	0.0254	
180 minute winter	SW27	7.000	SW26	0.5	0.250	0.027	0.0086	
180 minute winter	SW28	6.003	SW30	4.0	0.737	0.225	0.0195	
180 minute winter	SW29	8.000	SW28	1.1	0.578	0.182	0.0093	
180 minute winter	SW30	6.004	SW31	4.0	0.789	0.225	0.0194	
180 minute winter	SW31	Flow through Pond	SW32	2.1	0.005	0.000	16.2910	
180 minute winter	SW32	6.005	SW33	0.1	0.299	0.020	0.0014	
180 minute winter	SW33	6.006	SW35	0.2	0.343	0.012	0.0097	
180 minute winter	SW34	9.000	SW33	0.1	0.362	0.012	0.0004	
180 minute winter	SW35	6.007	SW36	0.2	0.343	0.012	0.0047	
180 minute winter	SW36	6.008	SW37	0.2	0.275	0.012	0.0132	
180 minute winter	SW37	6.009	SW23	0.4	0.308	0.023	0.0237	
180 minute winter	SW38	10.000	SW37	0.2	0.432	0.022	0.0006	
180 minute winter	SW39	11.000	SW23	0.1	0.360	0.012	0.0004	
180 minute winter	SW40	Pump		1.5				29.8
180 minute winter	SW41	12.000	SW40	0.1	0.373	0.013	0.0006	
180 minute winter	SW42	13.000	SW43	1.1	0.740	0.128	0.0053	
180 minute winter	SW43	13.001	SW44	1.1	0.564	0.182	0.0176	
180 minute winter	SW44	13.002	SW45	1.1	0.475	0.182	0.0119	
180 minute winter	SW45	13.003	SW46	1.7	0.667	0.282	0.0308	
180 minute winter	SW46	13.004	SW47	2.0	0.837	0.249	0.0336	
180 minute winter	SW47	17.000	SW55	4.2	0.784	0.696	0.0795	
180 minute winter	SW48	14.000	SW47	0.5	0.466	0.083	0.0149	
180 minute winter	SW49	15.000	SW50	0.6	0.411	0.099	0.0145	
180 minute winter	SW50	15.001	SW51	0.9	0.600	0.149	0.0194	

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Results for 30 year +45% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	SW51	88	11.694	0.022	0.9	0.0035	0.0000	OK
180 minute winter	SW52	96	11.236	0.036	1.7	0.0103	0.0000	OK
180 minute winter	SW53	92	11.925	0.025	0.8	0.0000	0.0000	OK
180 minute winter	SW54	92	11.296	0.025	0.8	0.0070	0.0000	OK
180 minute winter	SW55	96	11.063	0.066	4.2	0.0047	0.0000	OK
180 minute winter	SW56	188	10.809	0.515	4.2	0.0000	0.0000	OK
180 minute winter	SW57	188	10.809	0.525	2.4	0.1485	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	SW51	15.002	SW52	0.9	0.483	0.107	0.0475	
180 minute winter	SW52	15.003	SW47	1.7	0.435	0.282	0.0217	
180 minute winter	SW53	16.000	SW54	0.8	0.526	0.133	0.0052	
180 minute winter	SW54	16.001	SW52	0.8	0.397	0.133	0.0145	
180 minute winter	SW55	17.001	SW56	4.2	0.805	0.696	0.0066	
180 minute winter	SW56	Flow through Pond	SW57	2.4	0.016	0.000	17.7849	
180 minute winter	SW57	17.002	SW40	0.1	0.587	0.020	0.0015	

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Results for 30 year +45% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.66%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	SW1	248	13.246	0.356	15.5	57.3869	0.0000	SURCHARGED
240 minute summer	SW2	248	12.593	0.011	0.2	0.0031	0.0000	OK
240 minute summer	SW3	248	12.454	0.010	0.2	0.0029	0.0000	OK
240 minute summer	SW4	248	12.243	0.014	0.3	0.0000	0.0000	OK
240 minute summer	SW5	124	13.137	0.037	1.7	0.0000	0.0000	OK
240 minute summer	SW6	124	13.069	0.037	1.7	0.0059	0.0000	OK
240 minute summer	SW7	124	12.982	0.039	1.7	0.0028	0.0000	OK
240 minute summer	SW8	244	12.756	0.501	1.7	0.0000	0.0000	OK
240 minute summer	SW9	244	12.756	0.513	1.4	0.1451	0.0000	SURCHARGED
240 minute summer	SW10	124	13.140	0.020	1.2	0.0000	0.0000	OK
240 minute summer	SW11	244	12.756	0.501	1.2	0.0000	0.0000	OK
240 minute summer	SW12	252	11.887	0.014	0.3	0.0038	0.0000	OK
240 minute summer	SW13	248	11.647	0.018	0.6	0.0153	0.0000	OK
240 minute summer	SW14	244	13.448	0.328	3.3	11.4501	0.0000	FLOOD RISK
240 minute summer	SW15	244	12.902	0.010	0.1	0.0028	0.0000	OK
240 minute summer	SW16	248	12.832	0.010	0.1	0.0028	0.0000	OK
240 minute summer	SW17	248	12.687	0.010	0.2	0.0087	0.0000	OK
240 minute summer	SW18	248	13.132	0.262	14.8	55.0588	0.0000	SURCHARGED
240 minute summer	SW19	248	12.565	0.012	0.3	0.0035	0.0000	OK
240 minute summer	SW20	244	12.859	0.289	3.1	10.7483	0.0000	FLOOD RISK
240 minute summer	SW21	248	11.576	0.018	0.7	0.0052	0.0000	OK
240 minute summer	SW22	244	12.240	0.280	4.7	16.7425	0.0000	FLOOD RISK
240 minute summer	SW23	248	11.033	0.023	1.3	0.0066	0.0000	OK
240 minute summer	SW24	124	12.889	0.049	2.9	0.0000	0.0000	OK
240 minute summer	SW25	124	12.706	0.048	2.9	0.0137	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	SW1	1.000	SW2	0.2	0.319	0.010	0.0171	
240 minute summer	SW2	1.001	SW3	0.2	0.333	0.010	0.0073	
240 minute summer	SW3	1.002	SW4	0.2	0.277	0.009	0.0107	
240 minute summer	SW4	1.008	SW12	0.3	0.379	0.017	0.0279	
240 minute summer	SW5	1.003	SW6	1.7	0.642	0.281	0.0179	
240 minute summer	SW6	1.004	SW7	1.7	0.616	0.280	0.0243	
240 minute summer	SW7	1.005	SW8	1.7	0.622	0.279	0.0028	
240 minute summer	SW8	Flow through Pond	SW9	1.4	0.029	0.000	8.6667	
240 minute summer	SW9	1.007	SW4	0.1	0.236	0.020	0.0007	
240 minute summer	SW10	1.006	SW11	1.2	1.092	0.085	0.0036	
240 minute summer	SW11	Flow through Pond	SW9	1.4	0.029	0.000	8.6667	
240 minute summer	SW12	1.009	SW13	0.3	0.308	0.017	0.0236	
240 minute summer	SW13	1.010	SW21	0.6	0.426	0.012	0.0105	
240 minute summer	SW14	2.000	SW15	0.1	0.301	0.020	0.0089	
240 minute summer	SW15	2.001	SW16	0.1	0.301	0.019	0.0027	
240 minute summer	SW16	2.002	SW17	0.1	0.295	0.019	0.0058	
240 minute summer	SW17	2.003	SW19	0.2	0.377	0.009	0.0036	
240 minute summer	SW18	3.000	SW17	0.1	0.341	0.004	0.0003	
240 minute summer	SW19	2.004	SW13	0.3	0.494	0.013	0.0035	
240 minute summer	SW20	4.000	SW19	0.1	0.241	0.018	0.0008	
240 minute summer	SW21	1.011	SW23	0.7	0.400	0.014	0.0941	
240 minute summer	SW22	5.000	SW21	0.1	0.184	0.011	0.0094	
240 minute summer	SW23	6.010	SW40	1.3	0.590	0.022	0.0180	
240 minute summer	SW24	6.000	SW25	2.9	0.760	0.479	0.0696	
240 minute summer	SW25	6.001	SW26	2.9	0.690	0.476	0.0903	

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Results for 30 year +45% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.66%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	SW26	124	12.496	0.056	3.5	0.0000	0.0000	OK
240 minute summer	SW27	124	12.812	0.012	0.6	0.0000	0.0000	OK
240 minute summer	SW28	124	12.438	0.060	4.8	0.0516	0.0000	OK
240 minute summer	SW29	124	12.864	0.034	1.4	0.0000	0.0000	OK
240 minute summer	SW30	124	12.398	0.056	4.8	0.0486	0.0000	OK
240 minute summer	SW31	248	12.191	0.533	4.8	0.0000	0.0000	OK
240 minute summer	SW32	248	12.191	0.537	2.5	0.1521	0.0000	SURCHARGED
240 minute summer	SW33	248	11.581	0.012	0.2	0.0104	0.0000	OK
240 minute summer	SW34	248	13.616	0.266	7.0	25.5661	0.0000	FLOOD RISK
240 minute summer	SW35	248	11.431	0.012	0.2	0.0034	0.0000	OK
240 minute summer	SW36	252	11.358	0.012	0.2	0.0034	0.0000	OK
240 minute summer	SW37	248	11.200	0.016	0.4	0.0139	0.0000	OK
240 minute summer	SW38	244	13.106	0.436	5.6	19.5684	0.0000	FLOOD RISK
240 minute summer	SW39	244	12.692	0.392	4.3	15.2407	0.0000	SURCHARGED
240 minute summer	SW40	248	10.239	0.001	1.5	0.0007	0.0000	OK
240 minute summer	SW41	244	12.532	0.312	4.3	15.1472	0.0000	FLOOD RISK
240 minute summer	SW42	124	12.848	0.028	1.4	0.0000	0.0000	OK
240 minute summer	SW43	124	12.334	0.034	1.4	0.0095	0.0000	OK
240 minute summer	SW44	124	12.244	0.034	1.4	0.0096	0.0000	OK
240 minute summer	SW45	124	12.202	0.043	2.2	0.0121	0.0000	OK
240 minute summer	SW46	124	12.078	0.040	2.6	0.0113	0.0000	OK
240 minute summer	SW47	124	11.221	0.076	5.3	0.0215	0.0000	OK
240 minute summer	SW48	124	11.921	0.021	0.6	0.0000	0.0000	OK
240 minute summer	SW49	124	11.924	0.024	0.8	0.0000	0.0000	OK
240 minute summer	SW50	124	11.832	0.031	1.2	0.0050	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	SW26	6.002	SW28	3.4	0.732	0.571	0.0291	
240 minute summer	SW27	7.000	SW26	0.6	0.250	0.032	0.0098	
240 minute summer	SW28	6.003	SW30	4.8	0.771	0.272	0.0225	
240 minute summer	SW29	8.000	SW28	1.4	0.616	0.231	0.0111	
240 minute summer	SW30	6.004	SW31	4.8	0.828	0.271	0.0223	
240 minute summer	SW31	Flow through Pond	SW32	2.5	0.003	0.000	17.2985	
240 minute summer	SW32	6.005	SW33	0.1	0.301	0.020	0.0014	
240 minute summer	SW33	6.006	SW35	0.2	0.346	0.013	0.0099	
240 minute summer	SW34	9.000	SW33	0.1	0.366	0.012	0.0004	
240 minute summer	SW35	6.007	SW36	0.2	0.347	0.013	0.0048	
240 minute summer	SW36	6.008	SW37	0.2	0.277	0.013	0.0135	
240 minute summer	SW37	6.009	SW23	0.4	0.311	0.024	0.0242	
240 minute summer	SW38	10.000	SW37	0.2	0.435	0.023	0.0006	
240 minute summer	SW39	11.000	SW23	0.1	0.363	0.012	0.0004	
240 minute summer	SW40	Pump		1.5				34.0
240 minute summer	SW41	12.000	SW40	0.1	0.376	0.013	0.0006	
240 minute summer	SW42	13.000	SW43	1.4	0.790	0.163	0.0063	
240 minute summer	SW43	13.001	SW44	1.4	0.598	0.230	0.0209	
240 minute summer	SW44	13.002	SW45	1.4	0.499	0.229	0.0143	
240 minute summer	SW45	13.003	SW46	2.2	0.710	0.360	0.0370	
240 minute summer	SW46	13.004	SW47	2.6	0.894	0.319	0.0402	
240 minute summer	SW47	17.000	SW55	5.3	0.817	0.872	0.0955	
240 minute summer	SW48	14.000	SW47	0.6	0.489	0.098	0.0168	
240 minute summer	SW49	15.000	SW50	0.8	0.444	0.131	0.0177	
240 minute summer	SW50	15.001	SW51	1.2	0.650	0.197	0.0236	

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Results for 30 year +45% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.66%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	SW51	124	11.697	0.025	1.2	0.0040	0.0000	OK
240 minute summer	SW52	124	11.241	0.041	2.2	0.0117	0.0000	OK
240 minute summer	SW53	124	11.928	0.028	1.0	0.0000	0.0000	OK
240 minute summer	SW54	124	11.298	0.027	1.0	0.0077	0.0000	OK
240 minute summer	SW55	124	11.074	0.077	5.3	0.0055	0.0000	OK
240 minute summer	SW56	248	10.831	0.537	5.2	0.0000	0.0000	OK
240 minute summer	SW57	248	10.831	0.547	2.7	0.1549	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	SW51	15.002	SW52	1.2	0.517	0.140	0.0568	
240 minute summer	SW52	15.003	SW47	2.1	0.450	0.356	0.0262	
240 minute summer	SW53	16.000	SW54	1.0	0.558	0.165	0.0061	
240 minute summer	SW54	16.001	SW52	1.0	0.416	0.164	0.0170	
240 minute summer	SW55	17.001	SW56	5.2	0.843	0.868	0.0078	
240 minute summer	SW56	Flow through Pond	SW57	2.7	0.016	0.000	18.5467	
240 minute summer	SW57	17.002	SW40	0.1	0.585	0.020	0.0015	

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Results for 30 year +45% CC 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 99.66%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	SW1	244	13.247	0.357	10.3	57.4862	0.0000	SURCHARGED
240 minute winter	SW2	244	12.593	0.011	0.2	0.0031	0.0000	OK
240 minute winter	SW3	244	12.454	0.010	0.2	0.0029	0.0000	OK
240 minute winter	SW4	244	12.243	0.014	0.3	0.0000	0.0000	OK
240 minute winter	SW5	124	13.131	0.031	1.2	0.0000	0.0000	OK
240 minute winter	SW6	124	13.063	0.031	1.2	0.0049	0.0000	OK
240 minute winter	SW7	124	12.975	0.032	1.2	0.0023	0.0000	OK
240 minute winter	SW8	240	12.757	0.502	1.2	0.0000	0.0000	OK
240 minute winter	SW9	240	12.757	0.514	0.9	0.1455	0.0000	SURCHARGED
240 minute winter	SW10	124	13.136	0.016	0.8	0.0000	0.0000	OK
240 minute winter	SW11	240	12.757	0.502	0.8	0.0000	0.0000	OK
240 minute winter	SW12	244	11.887	0.014	0.3	0.0038	0.0000	OK
240 minute winter	SW13	244	11.647	0.018	0.6	0.0153	0.0000	OK
240 minute winter	SW14	240	13.448	0.328	2.2	11.4652	0.0000	FLOOD RISK
240 minute winter	SW15	240	12.902	0.010	0.1	0.0028	0.0000	OK
240 minute winter	SW16	240	12.832	0.010	0.1	0.0028	0.0000	OK
240 minute winter	SW17	244	12.687	0.010	0.2	0.0087	0.0000	OK
240 minute winter	SW18	244	13.132	0.262	9.8	55.0830	0.0000	SURCHARGED
240 minute winter	SW19	244	12.565	0.012	0.3	0.0035	0.0000	OK
240 minute winter	SW20	240	12.865	0.295	2.1	10.9691	0.0000	FLOOD RISK
240 minute winter	SW21	244	11.576	0.018	0.7	0.0052	0.0000	OK
240 minute winter	SW22	240	12.241	0.281	3.1	16.8369	0.0000	FLOOD RISK
240 minute winter	SW23	244	11.033	0.024	1.3	0.0067	0.0000	OK
240 minute winter	SW24	124	12.879	0.039	1.9	0.0000	0.0000	OK
240 minute winter	SW25	128	12.695	0.038	1.9	0.0109	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	SW1	1.000	SW2	0.2	0.319	0.010	0.0171	
240 minute winter	SW2	1.001	SW3	0.2	0.333	0.010	0.0073	
240 minute winter	SW3	1.002	SW4	0.2	0.277	0.009	0.0107	
240 minute winter	SW4	1.008	SW12	0.3	0.379	0.017	0.0279	
240 minute winter	SW5	1.003	SW6	1.2	0.587	0.198	0.0138	
240 minute winter	SW6	1.004	SW7	1.2	0.564	0.197	0.0187	
240 minute winter	SW7	1.005	SW8	1.2	0.565	0.196	0.0022	
240 minute winter	SW8	Flow through Pond	SW9	0.9	0.025	0.000	8.6880	
240 minute winter	SW9	1.007	SW4	0.1	0.236	0.020	0.0007	
240 minute winter	SW10	1.006	SW11	0.8	0.969	0.057	0.0027	
240 minute winter	SW11	Flow through Pond	SW9	0.9	0.025	0.000	8.6880	
240 minute winter	SW12	1.009	SW13	0.3	0.308	0.017	0.0237	
240 minute winter	SW13	1.010	SW21	0.6	0.427	0.012	0.0105	
240 minute winter	SW14	2.000	SW15	0.1	0.301	0.020	0.0089	
240 minute winter	SW15	2.001	SW16	0.1	0.301	0.020	0.0027	
240 minute winter	SW16	2.002	SW17	0.1	0.295	0.020	0.0058	
240 minute winter	SW17	2.003	SW19	0.2	0.376	0.009	0.0036	
240 minute winter	SW18	3.000	SW17	0.1	0.341	0.004	0.0003	
240 minute winter	SW19	2.004	SW13	0.3	0.494	0.013	0.0035	
240 minute winter	SW20	4.000	SW19	0.1	0.242	0.018	0.0008	
240 minute winter	SW21	1.011	SW23	0.7	0.401	0.014	0.0943	
240 minute winter	SW22	5.000	SW21	0.1	0.184	0.011	0.0095	
240 minute winter	SW23	6.010	SW40	1.3	0.591	0.022	0.0180	
240 minute winter	SW24	6.000	SW25	1.9	0.681	0.315	0.0511	
240 minute winter	SW25	6.001	SW26	1.9	0.624	0.315	0.0661	

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Results for 30 year +45% CC 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 99.66%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	SW26	128	12.484	0.044	2.3	0.0000	0.0000	OK
240 minute winter	SW27	116	12.810	0.010	0.4	0.0000	0.0000	OK
240 minute winter	SW28	128	12.425	0.047	3.2	0.0408	0.0000	OK
240 minute winter	SW29	120	12.857	0.027	0.9	0.0000	0.0000	OK
240 minute winter	SW30	128	12.387	0.045	3.2	0.0390	0.0000	OK
240 minute winter	SW31	244	12.193	0.535	3.2	0.0000	0.0000	OK
240 minute winter	SW32	244	12.193	0.539	1.7	0.1524	0.0000	SURCHARGED
240 minute winter	SW33	244	11.581	0.012	0.2	0.0104	0.0000	OK
240 minute winter	SW34	244	13.617	0.267	4.6	25.6011	0.0000	FLOOD RISK
240 minute winter	SW35	244	11.431	0.012	0.2	0.0034	0.0000	OK
240 minute winter	SW36	248	11.358	0.012	0.2	0.0034	0.0000	OK
240 minute winter	SW37	244	11.200	0.016	0.4	0.0139	0.0000	OK
240 minute winter	SW38	240	13.111	0.441	3.7	19.8048	0.0000	FLOOD RISK
240 minute winter	SW39	240	12.691	0.391	2.8	15.2177	0.0000	SURCHARGED
240 minute winter	SW40	244	10.239	0.001	1.5	0.0007	0.0000	OK
240 minute winter	SW41	240	12.532	0.312	2.8	15.1266	0.0000	FLOOD RISK
240 minute winter	SW42	120	12.842	0.022	0.9	0.0000	0.0000	OK
240 minute winter	SW43	132	12.327	0.027	0.9	0.0075	0.0000	OK
240 minute winter	SW44	124	12.237	0.027	0.9	0.0076	0.0000	OK
240 minute winter	SW45	132	12.193	0.034	1.4	0.0095	0.0000	OK
240 minute winter	SW46	124	12.070	0.032	1.7	0.0090	0.0000	OK
240 minute winter	SW47	128	11.201	0.056	3.5	0.0159	0.0000	OK
240 minute winter	SW48	120	11.918	0.018	0.4	0.0000	0.0000	OK
240 minute winter	SW49	116	11.919	0.019	0.5	0.0000	0.0000	OK
240 minute winter	SW50	128	11.827	0.026	0.8	0.0041	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	SW26	6.002	SW28	2.3	0.663	0.381	0.0215	
240 minute winter	SW27	7.000	SW26	0.4	0.242	0.021	0.0072	
240 minute winter	SW28	6.003	SW30	3.2	0.698	0.180	0.0165	
240 minute winter	SW29	8.000	SW28	0.9	0.547	0.149	0.0081	
240 minute winter	SW30	6.004	SW31	3.2	0.743	0.180	0.0165	
240 minute winter	SW31	Flow through Pond	SW32	1.7	0.002	0.000	17.3363	
240 minute winter	SW32	6.005	SW33	0.1	0.302	0.020	0.0014	
240 minute winter	SW33	6.006	SW35	0.2	0.346	0.013	0.0099	
240 minute winter	SW34	9.000	SW33	0.1	0.366	0.012	0.0004	
240 minute winter	SW35	6.007	SW36	0.2	0.347	0.013	0.0048	
240 minute winter	SW36	6.008	SW37	0.2	0.277	0.013	0.0135	
240 minute winter	SW37	6.009	SW23	0.4	0.311	0.024	0.0242	
240 minute winter	SW38	10.000	SW37	0.2	0.436	0.023	0.0006	
240 minute winter	SW39	11.000	SW23	0.1	0.363	0.012	0.0004	
240 minute winter	SW40	Pump		1.5				34.1
240 minute winter	SW41	12.000	SW40	0.1	0.376	0.013	0.0006	
240 minute winter	SW42	13.000	SW43	0.9	0.700	0.105	0.0046	
240 minute winter	SW43	13.001	SW44	0.9	0.536	0.149	0.0151	
240 minute winter	SW44	13.002	SW45	0.9	0.452	0.149	0.0103	
240 minute winter	SW45	13.003	SW46	1.4	0.638	0.232	0.0270	
240 minute winter	SW46	13.004	SW47	1.7	0.801	0.212	0.0298	
240 minute winter	SW47	17.000	SW55	3.5	0.753	0.580	0.0689	
240 minute winter	SW48	14.000	SW47	0.4	0.436	0.066	0.0128	
240 minute winter	SW49	15.000	SW50	0.5	0.401	0.083	0.0131	
240 minute winter	SW50	15.001	SW51	0.8	0.581	0.133	0.0179	

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Results for 30 year +45% CC 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 99.66%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	SW51	124	11.693	0.021	0.8	0.0033	0.0000	OK
240 minute winter	SW52	128	11.233	0.033	1.4	0.0093	0.0000	OK
240 minute winter	SW53	116	11.922	0.022	0.6	0.0000	0.0000	OK
240 minute winter	SW54	120	11.292	0.021	0.6	0.0060	0.0000	OK
240 minute winter	SW55	128	11.055	0.058	3.5	0.0042	0.0000	OK
240 minute winter	SW56	244	10.829	0.536	3.5	0.0000	0.0000	OK
240 minute winter	SW57	244	10.830	0.546	1.8	0.1544	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	SW51	15.002	SW52	0.8	0.474	0.095	0.0421	
240 minute winter	SW52	15.003	SW47	1.4	0.416	0.232	0.0188	
240 minute winter	SW53	16.000	SW54	0.6	0.485	0.099	0.0042	
240 minute winter	SW54	16.001	SW52	0.6	0.364	0.099	0.0123	
240 minute winter	SW55	17.001	SW56	3.5	0.772	0.580	0.0057	
240 minute winter	SW56	Flow through Pond	SW57	1.8	0.021	0.000	18.4913	
240 minute winter	SW57	17.002	SW40	0.1	0.583	0.020	0.0015	

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Results for 30 year +45% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	SW1	368	13.272	0.382	11.6	61.5569	0.0000	SURCHARGED
360 minute summer	SW2	368	12.593	0.011	0.2	0.0031	0.0000	OK
360 minute summer	SW3	368	12.454	0.010	0.2	0.0029	0.0000	OK
360 minute summer	SW4	368	12.243	0.014	0.3	0.0000	0.0000	OK
360 minute summer	SW5	184	13.132	0.032	1.3	0.0000	0.0000	OK
360 minute summer	SW6	184	13.064	0.032	1.3	0.0051	0.0000	OK
360 minute summer	SW7	184	12.977	0.034	1.3	0.0024	0.0000	OK
360 minute summer	SW8	368	12.781	0.526	1.3	0.0000	0.0000	OK
360 minute summer	SW9	368	12.781	0.538	1.0	0.1524	0.0000	SURCHARGED
360 minute summer	SW10	184	13.137	0.017	0.9	0.0000	0.0000	OK
360 minute summer	SW11	368	12.782	0.526	0.9	0.0000	0.0000	OK
360 minute summer	SW12	368	11.887	0.014	0.3	0.0039	0.0000	OK
360 minute summer	SW13	368	11.647	0.018	0.6	0.0155	0.0000	OK
360 minute summer	SW14	360	13.459	0.339	2.5	11.8673	0.0000	FLOOD RISK
360 minute summer	SW15	368	12.902	0.010	0.1	0.0028	0.0000	OK
360 minute summer	SW16	368	12.832	0.010	0.1	0.0028	0.0000	OK
360 minute summer	SW17	368	12.687	0.010	0.2	0.0088	0.0000	OK
360 minute summer	SW18	368	13.153	0.283	11.0	59.4242	0.0000	SURCHARGED
360 minute summer	SW19	368	12.566	0.013	0.3	0.0035	0.0000	OK
360 minute summer	SW20	360	12.871	0.301	2.3	11.1952	0.0000	FLOOD RISK
360 minute summer	SW21	368	11.577	0.019	0.8	0.0053	0.0000	OK
360 minute summer	SW22	368	12.255	0.295	3.5	17.7122	0.0000	FLOOD RISK
360 minute summer	SW23	368	11.033	0.024	1.3	0.0067	0.0000	OK
360 minute summer	SW24	184	12.882	0.042	2.2	0.0000	0.0000	OK
360 minute summer	SW25	184	12.698	0.041	2.2	0.0117	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	SW1	1.000	SW2	0.2	0.322	0.010	0.0175	
360 minute summer	SW2	1.001	SW3	0.2	0.336	0.010	0.0075	
360 minute summer	SW3	1.002	SW4	0.2	0.280	0.009	0.0110	
360 minute summer	SW4	1.008	SW12	0.3	0.382	0.017	0.0285	
360 minute summer	SW5	1.003	SW6	1.3	0.599	0.214	0.0147	
360 minute summer	SW6	1.004	SW7	1.3	0.575	0.213	0.0198	
360 minute summer	SW7	1.005	SW8	1.3	0.578	0.212	0.0023	
360 minute summer	SW8	Flow through Pond	SW9	1.0	0.022	0.000	9.1043	
360 minute summer	SW9	1.007	SW4	0.1	0.237	0.020	0.0007	
360 minute summer	SW10	1.006	SW11	0.9	1.002	0.064	0.0030	
360 minute summer	SW11	Flow through Pond	SW9	1.0	0.022	0.000	9.1043	
360 minute summer	SW12	1.009	SW13	0.3	0.311	0.017	0.0241	
360 minute summer	SW13	1.010	SW21	0.6	0.430	0.012	0.0107	
360 minute summer	SW14	2.000	SW15	0.1	0.303	0.020	0.0090	
360 minute summer	SW15	2.001	SW16	0.1	0.303	0.020	0.0028	
360 minute summer	SW16	2.002	SW17	0.1	0.296	0.020	0.0059	
360 minute summer	SW17	2.003	SW19	0.2	0.380	0.009	0.0036	
360 minute summer	SW18	3.000	SW17	0.1	0.345	0.004	0.0003	
360 minute summer	SW19	2.004	SW13	0.3	0.497	0.014	0.0036	
360 minute summer	SW20	4.000	SW19	0.1	0.242	0.019	0.0008	
360 minute summer	SW21	1.011	SW23	0.8	0.404	0.014	0.0960	
360 minute summer	SW22	5.000	SW21	0.1	0.186	0.011	0.0096	
360 minute summer	SW23	6.010	SW40	1.3	0.595	0.022	0.0183	
360 minute summer	SW24	6.000	SW25	2.2	0.708	0.363	0.0567	
360 minute summer	SW25	6.001	SW26	2.2	0.652	0.361	0.0725	

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Results for 30 year +45% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	SW26	184	12.487	0.047	2.6	0.0000	0.0000	OK
360 minute summer	SW27	184	12.810	0.010	0.4	0.0000	0.0000	OK
360 minute summer	SW28	184	12.428	0.050	3.6	0.0433	0.0000	OK
360 minute summer	SW29	184	12.858	0.028	1.0	0.0000	0.0000	OK
360 minute summer	SW30	184	12.390	0.048	3.6	0.0412	0.0000	OK
360 minute summer	SW31	368	12.213	0.555	3.5	0.0000	0.0000	OK
360 minute summer	SW32	368	12.213	0.559	1.8	0.1582	0.0000	SURCHARGED
360 minute summer	SW33	368	11.581	0.012	0.2	0.0106	0.0000	OK
360 minute summer	SW34	368	13.634	0.284	5.2	27.2792	0.0000	FLOOD RISK
360 minute summer	SW35	368	11.431	0.012	0.2	0.0035	0.0000	OK
360 minute summer	SW36	368	11.358	0.012	0.2	0.0034	0.0000	OK
360 minute summer	SW37	368	11.200	0.016	0.4	0.0141	0.0000	OK
360 minute summer	SW38	368	13.125	0.455	4.2	20.4257	0.0000	FLOOD RISK
360 minute summer	SW39	368	12.714	0.414	3.2	16.0880	0.0000	FLOOD RISK
360 minute summer	SW40	368	10.239	0.001	1.5	0.0007	0.0000	OK
360 minute summer	SW41	368	12.549	0.329	3.2	15.9424	0.0000	FLOOD RISK
360 minute summer	SW42	184	12.844	0.024	1.0	0.0000	0.0000	OK
360 minute summer	SW43	184	12.328	0.028	1.0	0.0079	0.0000	OK
360 minute summer	SW44	184	12.238	0.028	1.0	0.0080	0.0000	OK
360 minute summer	SW45	184	12.195	0.036	1.6	0.0102	0.0000	OK
360 minute summer	SW46	184	12.072	0.034	1.9	0.0095	0.0000	OK
360 minute summer	SW47	184	11.205	0.060	3.8	0.0169	0.0000	OK
360 minute summer	SW48	184	11.918	0.018	0.4	0.0000	0.0000	OK
360 minute summer	SW49	184	11.921	0.021	0.6	0.0000	0.0000	OK
360 minute summer	SW50	184	11.828	0.027	0.9	0.0043	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	SW26	6.002	SW28	2.6	0.683	0.425	0.0233	
360 minute summer	SW27	7.000	SW26	0.4	0.236	0.021	0.0078	
360 minute summer	SW28	6.003	SW30	3.6	0.717	0.200	0.0178	
360 minute summer	SW29	8.000	SW28	1.0	0.562	0.165	0.0087	
360 minute summer	SW30	6.004	SW31	3.5	0.763	0.200	0.0178	
360 minute summer	SW31	Flow through Pond	SW32	1.8	0.002	0.000	17.9912	
360 minute summer	SW32	6.005	SW33	0.1	0.303	0.021	0.0015	
360 minute summer	SW33	6.006	SW35	0.2	0.349	0.013	0.0101	
360 minute summer	SW34	9.000	SW33	0.1	0.369	0.013	0.0005	
360 minute summer	SW35	6.007	SW36	0.2	0.349	0.013	0.0049	
360 minute summer	SW36	6.008	SW37	0.2	0.280	0.013	0.0137	
360 minute summer	SW37	6.009	SW23	0.4	0.313	0.025	0.0247	
360 minute summer	SW38	10.000	SW37	0.2	0.438	0.023	0.0006	
360 minute summer	SW39	11.000	SW23	0.1	0.366	0.013	0.0004	
360 minute summer	SW40	Pump		1.5				42.0
360 minute summer	SW41	12.000	SW40	0.1	0.379	0.014	0.0007	
360 minute summer	SW42	13.000	SW43	1.0	0.720	0.116	0.0050	
360 minute summer	SW43	13.001	SW44	1.0	0.552	0.165	0.0162	
360 minute summer	SW44	13.002	SW45	1.0	0.458	0.164	0.0112	
360 minute summer	SW45	13.003	SW46	1.6	0.654	0.263	0.0293	
360 minute summer	SW46	13.004	SW47	1.9	0.823	0.234	0.0321	
360 minute summer	SW47	17.000	SW55	3.8	0.769	0.635	0.0740	
360 minute summer	SW48	14.000	SW47	0.4	0.436	0.066	0.0128	
360 minute summer	SW49	15.000	SW50	0.6	0.410	0.099	0.0145	
360 minute summer	SW50	15.001	SW51	0.9	0.600	0.148	0.0193	

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Results for 30 year +45% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	SW51	184	11.694	0.022	0.9	0.0035	0.0000	OK
360 minute summer	SW52	184	11.235	0.035	1.6	0.0099	0.0000	OK
360 minute summer	SW53	184	11.924	0.024	0.7	0.0000	0.0000	OK
360 minute summer	SW54	184	11.294	0.023	0.7	0.0065	0.0000	OK
360 minute summer	SW55	184	11.059	0.062	3.8	0.0044	0.0000	OK
360 minute summer	SW56	368	10.868	0.574	3.8	0.0000	0.0000	OK
360 minute summer	SW57	368	10.868	0.584	2.0	0.1653	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	SW51	15.002	SW52	0.9	0.485	0.106	0.0456	
360 minute summer	SW52	15.003	SW47	1.6	0.431	0.260	0.0203	
360 minute summer	SW53	16.000	SW54	0.7	0.505	0.115	0.0047	
360 minute summer	SW54	16.001	SW52	0.7	0.371	0.115	0.0134	
360 minute summer	SW55	17.001	SW56	3.8	0.788	0.634	0.0061	
360 minute summer	SW56	Flow through Pond	SW57	2.0	0.010	0.000	19.8120	
360 minute summer	SW57	17.002	SW40	0.1	0.585	0.021	0.0016	

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Results for 30 year +45% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	SW1	360	13.273	0.383	7.5	61.6796	0.0000	SURCHARGED
360 minute winter	SW2	368	12.593	0.011	0.2	0.0031	0.0000	OK
360 minute winter	SW3	368	12.454	0.010	0.2	0.0029	0.0000	OK
360 minute winter	SW4	360	12.243	0.014	0.3	0.0000	0.0000	OK
360 minute winter	SW5	176	13.125	0.025	0.8	0.0000	0.0000	OK
360 minute winter	SW6	176	13.057	0.025	0.8	0.0040	0.0000	OK
360 minute winter	SW7	176	12.969	0.026	0.8	0.0019	0.0000	OK
360 minute winter	SW8	360	12.777	0.522	0.8	0.0000	0.0000	OK
360 minute winter	SW9	360	12.777	0.534	0.7	0.1512	0.0000	SURCHARGED
360 minute winter	SW10	184	13.134	0.014	0.6	0.0000	0.0000	OK
360 minute winter	SW11	360	12.777	0.522	0.6	0.0000	0.0000	OK
360 minute winter	SW12	360	11.887	0.014	0.3	0.0039	0.0000	OK
360 minute winter	SW13	360	11.647	0.018	0.7	0.0155	0.0000	OK
360 minute winter	SW14	360	13.469	0.349	1.6	12.2161	0.0000	FLOOD RISK
360 minute winter	SW15	360	12.902	0.010	0.1	0.0028	0.0000	OK
360 minute winter	SW16	360	12.832	0.010	0.1	0.0028	0.0000	OK
360 minute winter	SW17	360	12.687	0.010	0.2	0.0089	0.0000	OK
360 minute winter	SW18	368	13.154	0.284	7.1	59.6083	0.0000	SURCHARGED
360 minute winter	SW19	360	12.566	0.013	0.3	0.0036	0.0000	OK
360 minute winter	SW20	360	12.881	0.311	1.5	11.5922	0.0000	FLOOD RISK
360 minute winter	SW21	360	11.577	0.019	0.8	0.0053	0.0000	OK
360 minute winter	SW22	360	12.255	0.295	2.3	17.6895	0.0000	FLOOD RISK
360 minute winter	SW23	360	11.033	0.024	1.3	0.0068	0.0000	OK
360 minute winter	SW24	184	12.873	0.033	1.4	0.0000	0.0000	OK
360 minute winter	SW25	184	12.690	0.033	1.4	0.0093	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	SW1	1.000	SW2	0.2	0.323	0.010	0.0175	
360 minute winter	SW2	1.001	SW3	0.2	0.337	0.010	0.0075	
360 minute winter	SW3	1.002	SW4	0.2	0.281	0.009	0.0110	
360 minute winter	SW4	1.008	SW12	0.3	0.382	0.017	0.0285	
360 minute winter	SW5	1.003	SW6	0.8	0.526	0.133	0.0103	
360 minute winter	SW6	1.004	SW7	0.8	0.507	0.133	0.0140	
360 minute winter	SW7	1.005	SW8	0.8	0.508	0.133	0.0016	
360 minute winter	SW8	Flow through Pond	SW9	0.7	0.012	0.000	9.0319	
360 minute winter	SW9	1.007	SW4	0.1	0.236	0.020	0.0007	
360 minute winter	SW10	1.006	SW11	0.6	0.888	0.042	0.0022	
360 minute winter	SW11	Flow through Pond	SW9	0.7	0.012	0.000	9.0319	
360 minute winter	SW12	1.009	SW13	0.3	0.310	0.017	0.0242	
360 minute winter	SW13	1.010	SW21	0.7	0.431	0.013	0.0108	
360 minute winter	SW14	2.000	SW15	0.1	0.304	0.020	0.0091	
360 minute winter	SW15	2.001	SW16	0.1	0.304	0.020	0.0028	
360 minute winter	SW16	2.002	SW17	0.1	0.298	0.020	0.0059	
360 minute winter	SW17	2.003	SW19	0.2	0.381	0.009	0.0036	
360 minute winter	SW18	3.000	SW17	0.1	0.345	0.004	0.0003	
360 minute winter	SW19	2.004	SW13	0.3	0.499	0.014	0.0036	
360 minute winter	SW20	4.000	SW19	0.1	0.243	0.019	0.0008	
360 minute winter	SW21	1.011	SW23	0.8	0.404	0.014	0.0962	
360 minute winter	SW22	5.000	SW21	0.1	0.185	0.011	0.0097	
360 minute winter	SW23	6.010	SW40	1.3	0.596	0.022	0.0184	
360 minute winter	SW24	6.000	SW25	1.4	0.626	0.232	0.0410	
360 minute winter	SW25	6.001	SW26	1.4	0.577	0.232	0.0528	

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Results for 30 year +45% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	SW26	192	12.477	0.037	1.7	0.0000	0.0000	OK
360 minute winter	SW27	176	12.809	0.009	0.3	0.0000	0.0000	OK
360 minute winter	SW28	184	12.418	0.040	2.4	0.0348	0.0000	OK
360 minute winter	SW29	184	12.853	0.023	0.7	0.0000	0.0000	OK
360 minute winter	SW30	184	12.381	0.039	2.4	0.0334	0.0000	OK
360 minute winter	SW31	360	12.209	0.551	2.4	0.0000	0.0000	OK
360 minute winter	SW32	360	12.209	0.555	1.2	0.1571	0.0000	SURCHARGED
360 minute winter	SW33	360	11.581	0.012	0.2	0.0105	0.0000	OK
360 minute winter	SW34	360	13.636	0.286	3.4	27.4673	0.0000	FLOOD RISK
360 minute winter	SW35	360	11.431	0.012	0.2	0.0035	0.0000	OK
360 minute winter	SW36	360	11.358	0.012	0.2	0.0034	0.0000	OK
360 minute winter	SW37	360	11.200	0.016	0.4	0.0141	0.0000	OK
360 minute winter	SW38	352	13.129	0.459	2.7	20.6014	0.0000	FLOOD RISK
360 minute winter	SW39	360	12.721	0.421	2.1	16.3849	0.0000	FLOOD RISK
360 minute winter	SW40	360	10.239	0.001	1.6	0.0007	0.0000	OK
360 minute winter	SW41	360	12.555	0.335	2.1	16.2424	0.0000	FLOOD RISK
360 minute winter	SW42	184	12.840	0.020	0.7	0.0000	0.0000	OK
360 minute winter	SW43	184	12.323	0.023	0.7	0.0066	0.0000	OK
360 minute winter	SW44	184	12.233	0.023	0.7	0.0066	0.0000	OK
360 minute winter	SW45	184	12.188	0.029	1.1	0.0083	0.0000	OK
360 minute winter	SW46	184	12.066	0.028	1.3	0.0078	0.0000	OK
360 minute winter	SW47	184	11.193	0.048	2.7	0.0135	0.0000	OK
360 minute winter	SW48	176	11.915	0.015	0.3	0.0000	0.0000	OK
360 minute winter	SW49	184	11.917	0.017	0.4	0.0000	0.0000	OK
360 minute winter	SW50	184	11.823	0.022	0.6	0.0035	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	SW26	6.002	SW28	1.7	0.619	0.282	0.0172	
360 minute winter	SW27	7.000	SW26	0.3	0.230	0.016	0.0057	
360 minute winter	SW28	6.003	SW30	2.4	0.650	0.135	0.0132	
360 minute winter	SW29	8.000	SW28	0.7	0.508	0.115	0.0067	
360 minute winter	SW30	6.004	SW31	2.4	0.685	0.135	0.0134	
360 minute winter	SW31	Flow through Pond	SW32	1.2	0.003	0.000	17.8745	
360 minute winter	SW32	6.005	SW33	0.1	0.303	0.021	0.0015	
360 minute winter	SW33	6.006	SW35	0.2	0.349	0.013	0.0101	
360 minute winter	SW34	9.000	SW33	0.1	0.370	0.013	0.0005	
360 minute winter	SW35	6.007	SW36	0.2	0.349	0.013	0.0049	
360 minute winter	SW36	6.008	SW37	0.2	0.279	0.013	0.0137	
360 minute winter	SW37	6.009	SW23	0.4	0.312	0.025	0.0247	
360 minute winter	SW38	10.000	SW37	0.2	0.439	0.023	0.0006	
360 minute winter	SW39	11.000	SW23	0.1	0.367	0.013	0.0004	
360 minute winter	SW40	Pump		1.6				42.2
360 minute winter	SW41	12.000	SW40	0.1	0.380	0.014	0.0007	
360 minute winter	SW42	13.000	SW43	0.7	0.650	0.081	0.0038	
360 minute winter	SW43	13.001	SW44	0.7	0.502	0.115	0.0124	
360 minute winter	SW44	13.002	SW45	0.7	0.419	0.114	0.0085	
360 minute winter	SW45	13.003	SW46	1.1	0.592	0.180	0.0222	
360 minute winter	SW46	13.004	SW47	1.3	0.741	0.160	0.0243	
360 minute winter	SW47	17.000	SW55	2.7	0.708	0.444	0.0561	
360 minute winter	SW48	14.000	SW47	0.3	0.401	0.050	0.0104	
360 minute winter	SW49	15.000	SW50	0.4	0.365	0.066	0.0109	
360 minute winter	SW50	15.001	SW51	0.6	0.534	0.099	0.0145	

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Results for 30 year +45% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	SW51	184	11.690	0.018	0.6	0.0029	0.0000	OK
360 minute winter	SW52	184	11.229	0.029	1.1	0.0082	0.0000	OK
360 minute winter	SW53	184	11.920	0.020	0.5	0.0000	0.0000	OK
360 minute winter	SW54	184	11.290	0.019	0.5	0.0055	0.0000	OK
360 minute winter	SW55	184	11.047	0.050	2.7	0.0035	0.0000	OK
360 minute winter	SW56	360	10.861	0.567	2.7	0.0000	0.0000	OK
360 minute winter	SW57	360	10.861	0.577	1.4	0.1633	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	SW51	15.002	SW52	0.6	0.428	0.072	0.0351	
360 minute winter	SW52	15.003	SW47	1.1	0.403	0.182	0.0154	
360 minute winter	SW53	16.000	SW54	0.5	0.460	0.083	0.0037	
360 minute winter	SW54	16.001	SW52	0.5	0.343	0.083	0.0105	
360 minute winter	SW55	17.001	SW56	2.7	0.723	0.443	0.0047	
360 minute winter	SW56	Flow through Pond	SW57	1.4	0.010	0.000	19.5674	
360 minute winter	SW57	17.002	SW40	0.1	0.583	0.021	0.0016	

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Results for 30 year +45% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	SW1	488	13.289	0.399	8.9	64.3389	0.0000	SURCHARGED
480 minute summer	SW2	488	12.593	0.011	0.2	0.0031	0.0000	OK
480 minute summer	SW3	488	12.454	0.010	0.2	0.0029	0.0000	OK
480 minute summer	SW4	488	12.243	0.014	0.3	0.0000	0.0000	OK
480 minute summer	SW5	248	13.128	0.028	1.0	0.0000	0.0000	OK
480 minute summer	SW6	248	13.060	0.028	1.0	0.0044	0.0000	OK
480 minute summer	SW7	248	12.973	0.030	1.0	0.0021	0.0000	OK
480 minute summer	SW8	488	12.807	0.552	1.0	0.0000	0.0000	OK
480 minute summer	SW9	488	12.807	0.564	0.8	0.1596	0.0000	SURCHARGED
480 minute summer	SW10	248	13.135	0.015	0.7	0.0000	0.0000	OK
480 minute summer	SW11	488	12.807	0.552	0.7	0.0000	0.0000	OK
480 minute summer	SW12	488	11.887	0.014	0.3	0.0039	0.0000	OK
480 minute summer	SW13	488	11.647	0.018	0.7	0.0156	0.0000	OK
480 minute summer	SW14	480	13.463	0.343	1.9	11.9970	0.0000	FLOOD RISK
480 minute summer	SW15	488	12.902	0.010	0.1	0.0028	0.0000	OK
480 minute summer	SW16	488	12.832	0.010	0.1	0.0028	0.0000	OK
480 minute summer	SW17	488	12.687	0.010	0.2	0.0089	0.0000	OK
480 minute summer	SW18	488	13.167	0.297	8.5	62.4737	0.0000	SURCHARGED
480 minute summer	SW19	488	12.566	0.013	0.3	0.0036	0.0000	OK
480 minute summer	SW20	480	12.882	0.312	1.8	11.6208	0.0000	FLOOD RISK
480 minute summer	SW21	488	11.577	0.019	0.8	0.0053	0.0000	OK
480 minute summer	SW22	480	12.263	0.303	2.7	18.2007	0.0000	FLOOD RISK
480 minute summer	SW23	488	11.033	0.024	1.3	0.0068	0.0000	OK
480 minute summer	SW24	248	12.877	0.037	1.7	0.0000	0.0000	OK
480 minute summer	SW25	248	12.693	0.036	1.7	0.0103	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	SW1	1.000	SW2	0.2	0.325	0.011	0.0177	
480 minute summer	SW2	1.001	SW3	0.2	0.339	0.011	0.0076	
480 minute summer	SW3	1.002	SW4	0.2	0.282	0.009	0.0111	
480 minute summer	SW4	1.008	SW12	0.3	0.385	0.018	0.0290	
480 minute summer	SW5	1.003	SW6	1.0	0.559	0.166	0.0122	
480 minute summer	SW6	1.004	SW7	1.0	0.538	0.166	0.0165	
480 minute summer	SW7	1.005	SW8	1.0	0.540	0.166	0.0019	
480 minute summer	SW8	Flow through Pond	SW9	0.8	0.022	0.000	9.5410	
480 minute summer	SW9	1.007	SW4	0.1	0.239	0.021	0.0007	
480 minute summer	SW10	1.006	SW11	0.7	0.932	0.050	0.0025	
480 minute summer	SW11	Flow through Pond	SW9	0.8	0.022	0.000	9.5410	
480 minute summer	SW12	1.009	SW13	0.3	0.314	0.018	0.0245	
480 minute summer	SW13	1.010	SW21	0.7	0.433	0.013	0.0109	
480 minute summer	SW14	2.000	SW15	0.1	0.303	0.020	0.0091	
480 minute summer	SW15	2.001	SW16	0.1	0.303	0.020	0.0028	
480 minute summer	SW16	2.002	SW17	0.1	0.296	0.020	0.0059	
480 minute summer	SW17	2.003	SW19	0.2	0.382	0.009	0.0037	
480 minute summer	SW18	3.000	SW17	0.1	0.347	0.004	0.0003	
480 minute summer	SW19	2.004	SW13	0.3	0.500	0.014	0.0036	
480 minute summer	SW20	4.000	SW19	0.1	0.243	0.019	0.0008	
480 minute summer	SW21	1.011	SW23	0.8	0.406	0.014	0.0972	
480 minute summer	SW22	5.000	SW21	0.1	0.186	0.011	0.0097	
480 minute summer	SW23	6.010	SW40	1.3	0.598	0.023	0.0186	
480 minute summer	SW24	6.000	SW25	1.7	0.660	0.282	0.0471	
480 minute summer	SW25	6.001	SW26	1.7	0.614	0.282	0.0601	

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Results for 30 year +45% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	SW26	248	12.481	0.041	2.0	0.0000	0.0000	OK
480 minute summer	SW27	232	12.809	0.009	0.3	0.0000	0.0000	OK
480 minute summer	SW28	248	12.422	0.044	2.8	0.0379	0.0000	OK
480 minute summer	SW29	248	12.855	0.025	0.8	0.0000	0.0000	OK
480 minute summer	SW30	248	12.384	0.042	2.8	0.0363	0.0000	OK
480 minute summer	SW31	488	12.238	0.580	2.8	0.0000	0.0000	OK
480 minute summer	SW32	488	12.238	0.584	1.5	0.1654	0.0000	SURCHARGED
480 minute summer	SW33	488	11.581	0.012	0.2	0.0107	0.0000	OK
480 minute summer	SW34	488	13.645	0.295	4.0	28.3876	0.0000	FLOOD RISK
480 minute summer	SW35	488	11.431	0.012	0.2	0.0035	0.0000	OK
480 minute summer	SW36	488	11.358	0.012	0.2	0.0035	0.0000	OK
480 minute summer	SW37	488	11.200	0.016	0.4	0.0142	0.0000	OK
480 minute summer	SW38	480	13.134	0.464	3.2	20.8386	0.0000	FLOOD RISK
480 minute summer	SW39	480	12.728	0.428	2.5	16.6407	0.0000	FLOOD RISK
480 minute summer	SW40	488	10.239	0.001	1.6	0.0007	0.0000	OK
480 minute summer	SW41	480	12.559	0.339	2.5	16.4505	0.0000	FLOOD RISK
480 minute summer	SW42	248	12.841	0.021	0.8	0.0000	0.0000	OK
480 minute summer	SW43	248	12.325	0.025	0.8	0.0071	0.0000	OK
480 minute summer	SW44	248	12.235	0.025	0.8	0.0072	0.0000	OK
480 minute summer	SW45	248	12.190	0.031	1.2	0.0088	0.0000	OK
480 minute summer	SW46	248	12.067	0.029	1.4	0.0082	0.0000	OK
480 minute summer	SW47	248	11.195	0.050	2.9	0.0142	0.0000	OK
480 minute summer	SW48	232	11.915	0.015	0.3	0.0000	0.0000	OK
480 minute summer	SW49	240	11.917	0.017	0.4	0.0000	0.0000	OK
480 minute summer	SW50	240	11.823	0.022	0.6	0.0035	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	SW26	6.002	SW28	2.0	0.638	0.331	0.0194	
480 minute summer	SW27	7.000	SW26	0.3	0.231	0.016	0.0064	
480 minute summer	SW28	6.003	SW30	2.8	0.676	0.158	0.0149	
480 minute summer	SW29	8.000	SW28	0.8	0.529	0.133	0.0074	
480 minute summer	SW30	6.004	SW31	2.8	0.716	0.158	0.0150	
480 minute summer	SW31	Flow through Pond	SW32	1.5	0.001	0.000	18.8161	
480 minute summer	SW32	6.005	SW33	0.1	0.305	0.021	0.0015	
480 minute summer	SW33	6.006	SW35	0.2	0.351	0.014	0.0102	
480 minute summer	SW34	9.000	SW33	0.1	0.372	0.013	0.0005	
480 minute summer	SW35	6.007	SW36	0.2	0.352	0.014	0.0050	
480 minute summer	SW36	6.008	SW37	0.2	0.282	0.014	0.0139	
480 minute summer	SW37	6.009	SW23	0.4	0.314	0.025	0.0250	
480 minute summer	SW38	10.000	SW37	0.2	0.439	0.024	0.0006	
480 minute summer	SW39	11.000	SW23	0.1	0.368	0.013	0.0004	
480 minute summer	SW40	Pump		1.6				50.0
480 minute summer	SW41	12.000	SW40	0.1	0.381	0.014	0.0007	
480 minute summer	SW42	13.000	SW43	0.8	0.676	0.093	0.0042	
480 minute summer	SW43	13.001	SW44	0.8	0.519	0.133	0.0139	
480 minute summer	SW44	13.002	SW45	0.8	0.443	0.133	0.0093	
480 minute summer	SW45	13.003	SW46	1.2	0.610	0.199	0.0238	
480 minute summer	SW46	13.004	SW47	1.4	0.760	0.175	0.0259	
480 minute summer	SW47	17.000	SW55	2.9	0.722	0.480	0.0596	
480 minute summer	SW48	14.000	SW47	0.3	0.401	0.050	0.0104	
480 minute summer	SW49	15.000	SW50	0.4	0.365	0.066	0.0109	
480 minute summer	SW50	15.001	SW51	0.6	0.534	0.099	0.0145	

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Results for 30 year +45% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	SW51	240	11.690	0.018	0.6	0.0029	0.0000	OK
480 minute summer	SW52	248	11.230	0.030	1.2	0.0086	0.0000	OK
480 minute summer	SW53	248	11.922	0.022	0.6	0.0000	0.0000	OK
480 minute summer	SW54	248	11.292	0.021	0.6	0.0060	0.0000	OK
480 minute summer	SW55	248	11.049	0.052	2.9	0.0037	0.0000	OK
480 minute summer	SW56	472	10.861	0.567	2.9	0.0000	0.0000	OK
480 minute summer	SW57	472	10.861	0.577	1.5	0.1633	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	SW51	15.002	SW52	0.6	0.426	0.072	0.0366	
480 minute summer	SW52	15.003	SW47	1.2	0.409	0.199	0.0164	
480 minute summer	SW53	16.000	SW54	0.6	0.485	0.099	0.0042	
480 minute summer	SW54	16.001	SW52	0.6	0.376	0.099	0.0115	
480 minute summer	SW55	17.001	SW56	2.9	0.737	0.480	0.0049	
480 minute summer	SW56	Flow through Pond	SW57	1.5	0.008	0.000	19.5699	
480 minute summer	SW57	17.002	SW40	0.1	0.582	0.021	0.0015	

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Results for 30 year +45% CC 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	SW1	480	13.290	0.400	5.9	64.5092	0.0000	SURCHARGED
480 minute winter	SW2	480	12.593	0.011	0.2	0.0031	0.0000	OK
480 minute winter	SW3	480	12.454	0.010	0.2	0.0029	0.0000	OK
480 minute winter	SW4	480	12.243	0.014	0.3	0.0000	0.0000	OK
480 minute winter	SW5	248	13.123	0.023	0.7	0.0000	0.0000	OK
480 minute winter	SW6	248	13.055	0.023	0.7	0.0037	0.0000	OK
480 minute winter	SW7	248	12.967	0.024	0.7	0.0017	0.0000	OK
480 minute winter	SW8	472	12.791	0.536	0.7	0.0000	0.0000	OK
480 minute winter	SW9	472	12.791	0.548	0.6	0.1551	0.0000	SURCHARGED
480 minute winter	SW10	216	13.132	0.012	0.4	0.0000	0.0000	OK
480 minute winter	SW11	472	12.791	0.536	0.4	0.0000	0.0000	OK
480 minute winter	SW12	480	11.887	0.014	0.3	0.0039	0.0000	OK
480 minute winter	SW13	480	11.647	0.018	0.7	0.0156	0.0000	OK
480 minute winter	SW14	472	13.467	0.347	1.3	12.1240	0.0000	FLOOD RISK
480 minute winter	SW15	472	12.902	0.010	0.1	0.0028	0.0000	OK
480 minute winter	SW16	472	12.832	0.010	0.1	0.0028	0.0000	OK
480 minute winter	SW17	480	12.687	0.010	0.2	0.0089	0.0000	OK
480 minute winter	SW18	480	13.167	0.297	5.6	62.4007	0.0000	SURCHARGED
480 minute winter	SW19	472	12.566	0.013	0.3	0.0036	0.0000	OK
480 minute winter	SW20	464	12.878	0.308	1.2	11.4902	0.0000	FLOOD RISK
480 minute winter	SW21	480	11.577	0.019	0.8	0.0053	0.0000	OK
480 minute winter	SW22	472	12.265	0.305	1.8	18.3197	0.0000	FLOOD RISK
480 minute winter	SW23	480	11.033	0.024	1.3	0.0068	0.0000	OK
480 minute winter	SW24	240	12.869	0.029	1.1	0.0000	0.0000	OK
480 minute winter	SW25	240	12.686	0.029	1.1	0.0082	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	SW1	1.000	SW2	0.2	0.325	0.011	0.0178	
480 minute winter	SW2	1.001	SW3	0.2	0.339	0.011	0.0076	
480 minute winter	SW3	1.002	SW4	0.2	0.283	0.009	0.0111	
480 minute winter	SW4	1.008	SW12	0.3	0.384	0.018	0.0289	
480 minute winter	SW5	1.003	SW6	0.7	0.507	0.116	0.0094	
480 minute winter	SW6	1.004	SW7	0.7	0.489	0.116	0.0127	
480 minute winter	SW7	1.005	SW8	0.7	0.490	0.116	0.0015	
480 minute winter	SW8	Flow through Pond	SW9	0.6	0.021	0.000	9.2674	
480 minute winter	SW9	1.007	SW4	0.1	0.237	0.021	0.0007	
480 minute winter	SW10	1.006	SW11	0.4	0.786	0.028	0.0017	
480 minute winter	SW11	Flow through Pond	SW9	0.6	0.021	0.000	9.2674	
480 minute winter	SW12	1.009	SW13	0.3	0.313	0.018	0.0244	
480 minute winter	SW13	1.010	SW21	0.7	0.432	0.013	0.0108	
480 minute winter	SW14	2.000	SW15	0.1	0.304	0.020	0.0091	
480 minute winter	SW15	2.001	SW16	0.1	0.304	0.020	0.0028	
480 minute winter	SW16	2.002	SW17	0.1	0.296	0.020	0.0059	
480 minute winter	SW17	2.003	SW19	0.2	0.383	0.009	0.0037	
480 minute winter	SW18	3.000	SW17	0.1	0.347	0.004	0.0003	
480 minute winter	SW19	2.004	SW13	0.3	0.500	0.014	0.0036	
480 minute winter	SW20	4.000	SW19	0.1	0.242	0.019	0.0008	
480 minute winter	SW21	1.011	SW23	0.8	0.405	0.014	0.0971	
480 minute winter	SW22	5.000	SW21	0.1	0.187	0.011	0.0097	
480 minute winter	SW23	6.010	SW40	1.3	0.598	0.023	0.0185	
480 minute winter	SW24	6.000	SW25	1.1	0.585	0.182	0.0344	
480 minute winter	SW25	6.001	SW26	1.1	0.547	0.182	0.0437	

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Results for 30 year +45% CC 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	SW26	240	12.472	0.032	1.3	0.0000	0.0000	OK
480 minute winter	SW27	200	12.807	0.007	0.2	0.0000	0.0000	OK
480 minute winter	SW28	240	12.412	0.034	1.8	0.0299	0.0000	OK
480 minute winter	SW29	224	12.850	0.020	0.5	0.0000	0.0000	OK
480 minute winter	SW30	240	12.375	0.033	1.8	0.0289	0.0000	OK
480 minute winter	SW31	472	12.228	0.570	1.8	0.0000	0.0000	OK
480 minute winter	SW32	472	12.228	0.574	1.0	0.1625	0.0000	SURCHARGED
480 minute winter	SW33	480	11.581	0.012	0.2	0.0106	0.0000	OK
480 minute winter	SW34	480	13.646	0.296	2.7	28.4592	0.0000	FLOOD RISK
480 minute winter	SW35	480	11.431	0.012	0.2	0.0035	0.0000	OK
480 minute winter	SW36	480	11.358	0.012	0.2	0.0035	0.0000	OK
480 minute winter	SW37	472	11.200	0.016	0.4	0.0142	0.0000	OK
480 minute winter	SW38	472	13.142	0.472	2.2	21.2014	0.0000	FLOOD RISK
480 minute winter	SW39	472	12.721	0.421	1.6	16.3885	0.0000	FLOOD RISK
480 minute winter	SW40	480	10.239	0.001	1.6	0.0007	0.0000	OK
480 minute winter	SW41	472	12.554	0.334	1.6	16.2040	0.0000	FLOOD RISK
480 minute winter	SW42	224	12.837	0.017	0.5	0.0000	0.0000	OK
480 minute winter	SW43	224	12.320	0.020	0.5	0.0056	0.0000	OK
480 minute winter	SW44	224	12.230	0.020	0.5	0.0055	0.0000	OK
480 minute winter	SW45	224	12.184	0.025	0.8	0.0071	0.0000	OK
480 minute winter	SW46	224	12.061	0.023	0.9	0.0065	0.0000	OK
480 minute winter	SW47	240	11.184	0.039	1.9	0.0111	0.0000	OK
480 minute winter	SW48	200	11.913	0.013	0.2	0.0000	0.0000	OK
480 minute winter	SW49	224	11.915	0.015	0.3	0.0000	0.0000	OK
480 minute winter	SW50	224	11.819	0.018	0.4	0.0029	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	SW26	6.002	SW28	1.3	0.572	0.215	0.0141	
480 minute winter	SW27	7.000	SW26	0.2	0.217	0.011	0.0046	
480 minute winter	SW28	6.003	SW30	1.8	0.604	0.101	0.0107	
480 minute winter	SW29	8.000	SW28	0.5	0.463	0.083	0.0053	
480 minute winter	SW30	6.004	SW31	1.8	0.634	0.101	0.0109	
480 minute winter	SW31	Flow through Pond	SW32	1.0	0.001	0.000	18.4912	
480 minute winter	SW32	6.005	SW33	0.1	0.304	0.021	0.0015	
480 minute winter	SW33	6.006	SW35	0.2	0.351	0.013	0.0102	
480 minute winter	SW34	9.000	SW33	0.1	0.372	0.013	0.0005	
480 minute winter	SW35	6.007	SW36	0.2	0.351	0.013	0.0050	
480 minute winter	SW36	6.008	SW37	0.2	0.281	0.013	0.0139	
480 minute winter	SW37	6.009	SW23	0.4	0.314	0.025	0.0249	
480 minute winter	SW38	10.000	SW37	0.2	0.441	0.024	0.0006	
480 minute winter	SW39	11.000	SW23	0.1	0.367	0.013	0.0004	
480 minute winter	SW40	Pump		1.6				50.0
480 minute winter	SW41	12.000	SW40	0.1	0.380	0.014	0.0007	
480 minute winter	SW42	13.000	SW43	0.5	0.591	0.058	0.0030	
480 minute winter	SW43	13.001	SW44	0.5	0.461	0.083	0.0098	
480 minute winter	SW44	13.002	SW45	0.5	0.383	0.083	0.0067	
480 minute winter	SW45	13.003	SW46	0.8	0.551	0.133	0.0175	
480 minute winter	SW46	13.004	SW47	0.9	0.671	0.112	0.0189	
480 minute winter	SW47	17.000	SW55	1.9	0.650	0.315	0.0433	
480 minute winter	SW48	14.000	SW47	0.2	0.355	0.033	0.0078	
480 minute winter	SW49	15.000	SW50	0.3	0.352	0.050	0.0085	
480 minute winter	SW50	15.001	SW51	0.4	0.474	0.066	0.0109	

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Results for 30 year +45% CC 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	SW51	224	11.687	0.015	0.4	0.0024	0.0000	OK
480 minute winter	SW52	240	11.225	0.025	0.8	0.0070	0.0000	OK
480 minute winter	SW53	240	11.918	0.018	0.4	0.0000	0.0000	OK
480 minute winter	SW54	240	11.288	0.017	0.4	0.0049	0.0000	OK
480 minute winter	SW55	240	11.038	0.041	1.9	0.0029	0.0000	OK
480 minute winter	SW56	464	10.877	0.583	1.9	0.0000	0.0000	OK
480 minute winter	SW57	464	10.877	0.593	1.0	0.1680	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	SW51	15.002	SW52	0.4	0.388	0.048	0.0274	
480 minute winter	SW52	15.003	SW47	0.8	0.373	0.133	0.0120	
480 minute winter	SW53	16.000	SW54	0.4	0.431	0.066	0.0032	
480 minute winter	SW54	16.001	SW52	0.4	0.334	0.066	0.0086	
480 minute winter	SW55	17.001	SW56	1.9	0.662	0.315	0.0036	
480 minute winter	SW56	Flow through Pond	SW57	1.0	0.007	0.000	20.1306	
480 minute winter	SW57	17.002	SW40	0.1	0.581	0.021	0.0016	

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Results for 30 year +45% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	SW1	615	13.299	0.409	7.2	65.9120	0.0000	SURCHARGED
600 minute summer	SW2	615	12.593	0.011	0.2	0.0032	0.0000	OK
600 minute summer	SW3	615	12.454	0.010	0.2	0.0029	0.0000	OK
600 minute summer	SW4	600	12.243	0.014	0.3	0.0000	0.0000	OK
600 minute summer	SW5	315	13.125	0.025	0.8	0.0000	0.0000	OK
600 minute summer	SW6	315	13.057	0.025	0.8	0.0040	0.0000	OK
600 minute summer	SW7	315	12.969	0.026	0.8	0.0019	0.0000	OK
600 minute summer	SW8	585	12.802	0.547	0.8	0.0000	0.0000	OK
600 minute summer	SW9	585	12.802	0.559	0.6	0.1581	0.0000	SURCHARGED
600 minute summer	SW10	315	13.133	0.013	0.5	0.0000	0.0000	OK
600 minute summer	SW11	585	12.802	0.547	0.5	0.0000	0.0000	OK
600 minute summer	SW12	615	11.887	0.014	0.3	0.0039	0.0000	OK
600 minute summer	SW13	600	11.647	0.018	0.7	0.0156	0.0000	OK
600 minute summer	SW14	570	13.476	0.356	1.5	12.4606	0.0000	FLOOD RISK
600 minute summer	SW15	570	12.902	0.010	0.1	0.0028	0.0000	OK
600 minute summer	SW16	570	12.832	0.010	0.1	0.0028	0.0000	OK
600 minute summer	SW17	600	12.687	0.010	0.2	0.0089	0.0000	OK
600 minute summer	SW18	615	13.175	0.305	6.8	64.2398	0.0000	SURCHARGED
600 minute summer	SW19	600	12.566	0.013	0.3	0.0036	0.0000	OK
600 minute summer	SW20	540	12.868	0.298	1.4	11.0935	0.0000	FLOOD RISK
600 minute summer	SW21	600	11.577	0.019	0.8	0.0053	0.0000	OK
600 minute summer	SW22	600	12.265	0.305	2.2	18.3148	0.0000	FLOOD RISK
600 minute summer	SW23	615	11.033	0.024	1.3	0.0068	0.0000	OK
600 minute summer	SW24	315	12.872	0.032	1.3	0.0000	0.0000	OK
600 minute summer	SW25	315	12.689	0.031	1.3	0.0089	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	SW1	1.000	SW2	0.2	0.326	0.011	0.0179	
600 minute summer	SW2	1.001	SW3	0.2	0.340	0.011	0.0077	
600 minute summer	SW3	1.002	SW4	0.2	0.284	0.009	0.0112	
600 minute summer	SW4	1.008	SW12	0.3	0.385	0.018	0.0291	
600 minute summer	SW5	1.003	SW6	0.8	0.526	0.133	0.0103	
600 minute summer	SW6	1.004	SW7	0.8	0.507	0.133	0.0140	
600 minute summer	SW7	1.005	SW8	0.8	0.508	0.133	0.0016	
600 minute summer	SW8	Flow through Pond	SW9	0.6	0.011	0.000	9.4505	
600 minute summer	SW9	1.007	SW4	0.1	0.238	0.021	0.0007	
600 minute summer	SW10	1.006	SW11	0.5	0.842	0.036	0.0020	
600 minute summer	SW11	Flow through Pond	SW9	0.6	0.011	0.000	9.4505	
600 minute summer	SW12	1.009	SW13	0.3	0.315	0.018	0.0246	
600 minute summer	SW13	1.010	SW21	0.7	0.433	0.013	0.0109	
600 minute summer	SW14	2.000	SW15	0.1	0.305	0.020	0.0092	
600 minute summer	SW15	2.001	SW16	0.1	0.305	0.020	0.0028	
600 minute summer	SW16	2.002	SW17	0.1	0.298	0.020	0.0060	
600 minute summer	SW17	2.003	SW19	0.2	0.386	0.009	0.0037	
600 minute summer	SW18	3.000	SW17	0.1	0.349	0.005	0.0003	
600 minute summer	SW19	2.004	SW13	0.3	0.500	0.014	0.0036	
600 minute summer	SW20	4.000	SW19	0.1	0.240	0.019	0.0008	
600 minute summer	SW21	1.011	SW23	0.8	0.406	0.014	0.0974	
600 minute summer	SW22	5.000	SW21	0.1	0.186	0.011	0.0098	
600 minute summer	SW23	6.010	SW40	1.3	0.599	0.023	0.0186	
600 minute summer	SW24	6.000	SW25	1.3	0.613	0.215	0.0388	
600 minute summer	SW25	6.001	SW26	1.3	0.562	0.215	0.0502	

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Results for 30 year +45% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	SW26	315	12.476	0.036	1.6	0.0000	0.0000	OK
600 minute summer	SW27	315	12.809	0.009	0.3	0.0000	0.0000	OK
600 minute summer	SW28	315	12.416	0.038	2.2	0.0332	0.0000	OK
600 minute summer	SW29	315	12.852	0.022	0.6	0.0000	0.0000	OK
600 minute summer	SW30	315	12.379	0.037	2.2	0.0320	0.0000	OK
600 minute summer	SW31	615	12.231	0.572	2.2	0.0000	0.0000	OK
600 minute summer	SW32	615	12.230	0.576	1.2	0.1631	0.0000	SURCHARGED
600 minute summer	SW33	615	11.581	0.012	0.2	0.0107	0.0000	OK
600 minute summer	SW34	615	13.650	0.300	3.2	28.9223	0.0000	FLOOD RISK
600 minute summer	SW35	615	11.431	0.012	0.2	0.0035	0.0000	OK
600 minute summer	SW36	615	11.358	0.012	0.2	0.0035	0.0000	OK
600 minute summer	SW37	600	11.200	0.016	0.4	0.0142	0.0000	OK
600 minute summer	SW38	585	13.137	0.467	2.6	20.9487	0.0000	FLOOD RISK
600 minute summer	SW39	600	12.739	0.439	2.0	17.1101	0.0000	FLOOD RISK
600 minute summer	SW40	600	10.239	0.001	1.6	0.0007	0.0000	OK
600 minute summer	SW41	600	12.567	0.347	2.0	16.8713	0.0000	FLOOD RISK
600 minute summer	SW42	315	12.838	0.018	0.6	0.0000	0.0000	OK
600 minute summer	SW43	315	12.322	0.022	0.6	0.0061	0.0000	OK
600 minute summer	SW44	315	12.231	0.021	0.6	0.0060	0.0000	OK
600 minute summer	SW45	315	12.187	0.028	1.0	0.0080	0.0000	OK
600 minute summer	SW46	315	12.065	0.027	1.2	0.0075	0.0000	OK
600 minute summer	SW47	315	11.191	0.046	2.5	0.0130	0.0000	OK
600 minute summer	SW48	315	11.915	0.015	0.3	0.0000	0.0000	OK
600 minute summer	SW49	315	11.917	0.017	0.4	0.0000	0.0000	OK
600 minute summer	SW50	315	11.823	0.022	0.6	0.0035	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	SW26	6.002	SW28	1.6	0.606	0.265	0.0163	
600 minute summer	SW27	7.000	SW26	0.3	0.231	0.016	0.0055	
600 minute summer	SW28	6.003	SW30	2.2	0.636	0.124	0.0124	
600 minute summer	SW29	8.000	SW28	0.6	0.487	0.099	0.0060	
600 minute summer	SW30	6.004	SW31	2.2	0.670	0.124	0.0126	
600 minute summer	SW31	Flow through Pond	SW32	1.2	0.001	0.000	18.5609	
600 minute summer	SW32	6.005	SW33	0.1	0.305	0.021	0.0015	
600 minute summer	SW33	6.006	SW35	0.2	0.351	0.014	0.0102	
600 minute summer	SW34	9.000	SW33	0.1	0.373	0.013	0.0005	
600 minute summer	SW35	6.007	SW36	0.2	0.352	0.014	0.0050	
600 minute summer	SW36	6.008	SW37	0.2	0.282	0.014	0.0139	
600 minute summer	SW37	6.009	SW23	0.4	0.313	0.025	0.0250	
600 minute summer	SW38	10.000	SW37	0.2	0.440	0.024	0.0006	
600 minute summer	SW39	11.000	SW23	0.1	0.369	0.013	0.0004	
600 minute summer	SW40	Pump		1.6				57.1
600 minute summer	SW41	12.000	SW40	0.1	0.382	0.014	0.0007	
600 minute summer	SW42	13.000	SW43	0.6	0.623	0.070	0.0034	
600 minute summer	SW43	13.001	SW44	0.6	0.486	0.099	0.0111	
600 minute summer	SW44	13.002	SW45	0.6	0.398	0.099	0.0078	
600 minute summer	SW45	13.003	SW46	1.0	0.575	0.166	0.0210	
600 minute summer	SW46	13.004	SW47	1.2	0.727	0.150	0.0232	
600 minute summer	SW47	17.000	SW55	2.5	0.696	0.414	0.0532	
600 minute summer	SW48	14.000	SW47	0.3	0.401	0.050	0.0104	
600 minute summer	SW49	15.000	SW50	0.4	0.365	0.066	0.0109	
600 minute summer	SW50	15.001	SW51	0.6	0.534	0.099	0.0145	

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Results for 30 year +45% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	SW51	315	11.690	0.018	0.6	0.0029	0.0000	OK
600 minute summer	SW52	315	11.228	0.028	1.0	0.0078	0.0000	OK
600 minute summer	SW53	300	11.918	0.018	0.4	0.0000	0.0000	OK
600 minute summer	SW54	300	11.288	0.017	0.4	0.0049	0.0000	OK
600 minute summer	SW55	315	11.045	0.048	2.5	0.0034	0.0000	OK
600 minute summer	SW56	525	10.845	0.552	2.5	0.0000	0.0000	OK
600 minute summer	SW57	525	10.846	0.562	1.3	0.1589	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	SW51	15.002	SW52	0.6	0.446	0.072	0.0336	
600 minute summer	SW52	15.003	SW47	1.0	0.385	0.166	0.0146	
600 minute summer	SW53	16.000	SW54	0.4	0.431	0.066	0.0032	
600 minute summer	SW54	16.001	SW52	0.4	0.335	0.066	0.0095	
600 minute summer	SW55	17.001	SW56	2.5	0.710	0.414	0.0044	
600 minute summer	SW56	Flow through Pond	SW57	1.3	0.004	0.000	19.0371	
600 minute summer	SW57	17.002	SW40	0.1	0.578	0.021	0.0015	

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Results for 30 year +45% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	SW1	600	13.301	0.411	4.9	66.3230	0.0000	FLOOD RISK
600 minute winter	SW2	600	12.593	0.011	0.2	0.0032	0.0000	OK
600 minute winter	SW3	600	12.454	0.010	0.2	0.0029	0.0000	OK
600 minute winter	SW4	600	12.243	0.014	0.3	0.0000	0.0000	OK
600 minute winter	SW5	315	13.122	0.022	0.6	0.0000	0.0000	OK
600 minute winter	SW6	315	13.054	0.022	0.6	0.0034	0.0000	OK
600 minute winter	SW7	315	12.966	0.023	0.6	0.0016	0.0000	OK
600 minute winter	SW8	585	12.812	0.557	0.6	0.0000	0.0000	OK
600 minute winter	SW9	585	12.812	0.569	0.5	0.1610	0.0000	SURCHARGED
600 minute winter	SW10	315	13.132	0.012	0.4	0.0000	0.0000	OK
600 minute winter	SW11	585	12.812	0.557	0.4	0.0000	0.0000	OK
600 minute winter	SW12	600	11.887	0.014	0.3	0.0040	0.0000	OK
600 minute winter	SW13	585	11.647	0.018	0.7	0.0157	0.0000	OK
600 minute winter	SW14	585	13.465	0.345	1.0	12.0635	0.0000	FLOOD RISK
600 minute winter	SW15	585	12.902	0.010	0.1	0.0028	0.0000	OK
600 minute winter	SW16	585	12.832	0.010	0.1	0.0028	0.0000	OK
600 minute winter	SW17	585	12.687	0.010	0.2	0.0089	0.0000	OK
600 minute winter	SW18	600	13.175	0.305	4.7	64.2432	0.0000	SURCHARGED
600 minute winter	SW19	585	12.566	0.013	0.4	0.0036	0.0000	OK
600 minute winter	SW20	585	12.891	0.321	1.0	11.9787	0.0000	FLOOD RISK
600 minute winter	SW21	600	11.577	0.019	0.8	0.0054	0.0000	OK
600 minute winter	SW22	600	12.277	0.317	1.5	19.0535	0.0000	FLOOD RISK
600 minute winter	SW23	600	11.033	0.024	1.3	0.0068	0.0000	OK
600 minute winter	SW24	300	12.866	0.026	0.9	0.0000	0.0000	OK
600 minute winter	SW25	300	12.683	0.026	0.9	0.0074	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	SW1	1.000	SW2	0.2	0.326	0.011	0.0179	
600 minute winter	SW2	1.001	SW3	0.2	0.340	0.011	0.0077	
600 minute winter	SW3	1.002	SW4	0.2	0.285	0.009	0.0112	
600 minute winter	SW4	1.008	SW12	0.3	0.386	0.018	0.0292	
600 minute winter	SW5	1.003	SW6	0.6	0.486	0.099	0.0084	
600 minute winter	SW6	1.004	SW7	0.6	0.470	0.099	0.0113	
600 minute winter	SW7	1.005	SW8	0.6	0.469	0.099	0.0013	
600 minute winter	SW8	Flow through Pond	SW9	0.5	0.007	0.000	9.6270	
600 minute winter	SW9	1.007	SW4	0.1	0.239	0.021	0.0007	
600 minute winter	SW10	1.006	SW11	0.4	0.786	0.028	0.0017	
600 minute winter	SW11	Flow through Pond	SW9	0.5	0.007	0.000	9.6270	
600 minute winter	SW12	1.009	SW13	0.3	0.315	0.018	0.0247	
600 minute winter	SW13	1.010	SW21	0.7	0.434	0.013	0.0109	
600 minute winter	SW14	2.000	SW15	0.1	0.304	0.020	0.0091	
600 minute winter	SW15	2.001	SW16	0.1	0.304	0.020	0.0028	
600 minute winter	SW16	2.002	SW17	0.1	0.295	0.020	0.0059	
600 minute winter	SW17	2.003	SW19	0.2	0.382	0.009	0.0037	
600 minute winter	SW18	3.000	SW17	0.1	0.349	0.005	0.0003	
600 minute winter	SW19	2.004	SW13	0.4	0.502	0.014	0.0036	
600 minute winter	SW20	4.000	SW19	0.1	0.245	0.019	0.0008	
600 minute winter	SW21	1.011	SW23	0.8	0.408	0.014	0.0978	
600 minute winter	SW22	5.000	SW21	0.1	0.189	0.012	0.0098	
600 minute winter	SW23	6.010	SW40	1.3	0.600	0.023	0.0187	
600 minute winter	SW24	6.000	SW25	0.9	0.553	0.149	0.0298	
600 minute winter	SW25	6.001	SW26	0.9	0.511	0.149	0.0383	

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Results for 30 year +45% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	SW26	300	12.469	0.029	1.1	0.0000	0.0000	OK
600 minute winter	SW27	285	12.807	0.007	0.2	0.0000	0.0000	OK
600 minute winter	SW28	300	12.409	0.031	1.5	0.0271	0.0000	OK
600 minute winter	SW29	285	12.848	0.018	0.4	0.0000	0.0000	OK
600 minute winter	SW30	300	12.372	0.030	1.5	0.0263	0.0000	OK
600 minute winter	SW31	585	12.243	0.585	1.5	0.0000	0.0000	OK
600 minute winter	SW32	585	12.243	0.589	0.8	0.1666	0.0000	SURCHARGED
600 minute winter	SW33	585	11.581	0.012	0.2	0.0107	0.0000	OK
600 minute winter	SW34	600	13.650	0.300	2.2	28.8831	0.0000	FLOOD RISK
600 minute winter	SW35	585	11.431	0.012	0.2	0.0035	0.0000	OK
600 minute winter	SW36	585	11.358	0.012	0.2	0.0035	0.0000	OK
600 minute winter	SW37	585	11.200	0.016	0.4	0.0142	0.0000	OK
600 minute winter	SW38	585	13.135	0.465	1.8	20.8965	0.0000	FLOOD RISK
600 minute winter	SW39	600	12.735	0.435	1.4	16.9344	0.0000	FLOOD RISK
600 minute winter	SW40	600	10.239	0.001	1.6	0.0007	0.0000	OK
600 minute winter	SW41	600	12.564	0.344	1.4	16.6960	0.0000	FLOOD RISK
600 minute winter	SW42	285	12.835	0.015	0.4	0.0000	0.0000	OK
600 minute winter	SW43	285	12.318	0.018	0.4	0.0050	0.0000	OK
600 minute winter	SW44	285	12.228	0.018	0.4	0.0050	0.0000	OK
600 minute winter	SW45	285	12.181	0.022	0.6	0.0062	0.0000	OK
600 minute winter	SW46	285	12.058	0.020	0.7	0.0057	0.0000	OK
600 minute winter	SW47	285	11.179	0.034	1.5	0.0097	0.0000	OK
600 minute winter	SW48	285	11.913	0.013	0.2	0.0000	0.0000	OK
600 minute winter	SW49	255	11.913	0.012	0.2	0.0000	0.0000	OK
600 minute winter	SW50	255	11.817	0.016	0.3	0.0025	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	SW26	6.002	SW28	1.1	0.551	0.182	0.0124	
600 minute winter	SW27	7.000	SW26	0.2	0.216	0.011	0.0042	
600 minute winter	SW28	6.003	SW30	1.5	0.576	0.084	0.0094	
600 minute winter	SW29	8.000	SW28	0.4	0.433	0.066	0.0045	
600 minute winter	SW30	6.004	SW31	1.5	0.602	0.084	0.0096	
600 minute winter	SW31	Flow through Pond	SW32	0.8	0.001	0.000	18.9590	
600 minute winter	SW32	6.005	SW33	0.1	0.306	0.021	0.0015	
600 minute winter	SW33	6.006	SW35	0.2	0.352	0.014	0.0103	
600 minute winter	SW34	9.000	SW33	0.1	0.373	0.013	0.0005	
600 minute winter	SW35	6.007	SW36	0.2	0.352	0.014	0.0050	
600 minute winter	SW36	6.008	SW37	0.2	0.283	0.014	0.0139	
600 minute winter	SW37	6.009	SW23	0.4	0.313	0.025	0.0251	
600 minute winter	SW38	10.000	SW37	0.2	0.440	0.024	0.0006	
600 minute winter	SW39	11.000	SW23	0.1	0.369	0.013	0.0004	
600 minute winter	SW40	Pump		1.6				57.5
600 minute winter	SW41	12.000	SW40	0.1	0.382	0.014	0.0007	
600 minute winter	SW42	13.000	SW43	0.4	0.554	0.047	0.0026	
600 minute winter	SW43	13.001	SW44	0.4	0.431	0.066	0.0084	
600 minute winter	SW44	13.002	SW45	0.4	0.369	0.066	0.0056	
600 minute winter	SW45	13.003	SW46	0.6	0.503	0.099	0.0144	
600 minute winter	SW46	13.004	SW47	0.7	0.624	0.087	0.0158	
600 minute winter	SW47	17.000	SW55	1.5	0.612	0.248	0.0363	
600 minute winter	SW48	14.000	SW47	0.2	0.355	0.033	0.0078	
600 minute winter	SW49	15.000	SW50	0.2	0.298	0.033	0.0067	
600 minute winter	SW50	15.001	SW51	0.3	0.436	0.050	0.0089	

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Results for 30 year +45% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	SW51	255	11.685	0.013	0.3	0.0021	0.0000	OK
600 minute winter	SW52	285	11.221	0.021	0.6	0.0060	0.0000	OK
600 minute winter	SW53	285	11.915	0.015	0.3	0.0000	0.0000	OK
600 minute winter	SW54	285	11.286	0.015	0.3	0.0043	0.0000	OK
600 minute winter	SW55	285	11.033	0.036	1.5	0.0025	0.0000	OK
600 minute winter	SW56	570	10.844	0.550	1.5	0.0000	0.0000	OK
600 minute winter	SW57	570	10.844	0.560	0.8	0.1586	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	SW51	15.002	SW52	0.3	0.364	0.036	0.0224	
600 minute winter	SW52	15.003	SW47	0.6	0.337	0.099	0.0100	
600 minute winter	SW53	16.000	SW54	0.3	0.397	0.050	0.0026	
600 minute winter	SW54	16.001	SW52	0.3	0.308	0.050	0.0070	
600 minute winter	SW55	17.001	SW56	1.5	0.621	0.248	0.0030	
600 minute winter	SW56	Flow through Pond	SW57	0.8	0.001	0.000	19.0014	
600 minute winter	SW57	17.002	SW40	0.1	0.577	0.021	0.0015	

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Results for 30 year +45% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.70%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	SW1	735	13.307	0.417	6.3	67.1907	0.0000	FLOOD RISK
720 minute summer	SW2	735	12.593	0.011	0.2	0.0032	0.0000	OK
720 minute summer	SW3	735	12.454	0.010	0.2	0.0030	0.0000	OK
720 minute summer	SW4	720	12.243	0.014	0.3	0.0000	0.0000	OK
720 minute summer	SW5	375	13.123	0.023	0.7	0.0000	0.0000	OK
720 minute summer	SW6	375	13.055	0.023	0.7	0.0037	0.0000	OK
720 minute summer	SW7	375	12.967	0.024	0.7	0.0017	0.0000	OK
720 minute summer	SW8	630	12.797	0.542	0.7	0.0000	0.0000	OK
720 minute summer	SW9	630	12.797	0.554	0.6	0.1567	0.0000	SURCHARGED
720 minute summer	SW10	375	13.133	0.013	0.5	0.0000	0.0000	OK
720 minute summer	SW11	630	12.797	0.542	0.5	0.0000	0.0000	OK
720 minute summer	SW12	720	11.887	0.014	0.3	0.0039	0.0000	OK
720 minute summer	SW13	720	11.647	0.018	0.7	0.0157	0.0000	OK
720 minute summer	SW14	615	13.460	0.340	1.3	11.8710	0.0000	FLOOD RISK
720 minute summer	SW15	615	12.902	0.010	0.1	0.0028	0.0000	OK
720 minute summer	SW16	615	12.832	0.010	0.1	0.0028	0.0000	OK
720 minute summer	SW17	720	12.687	0.010	0.2	0.0089	0.0000	OK
720 minute summer	SW18	735	13.185	0.315	6.0	66.2337	0.0000	SURCHARGED
720 minute summer	SW19	720	12.566	0.013	0.3	0.0036	0.0000	OK
720 minute summer	SW20	600	12.878	0.308	1.3	11.4679	0.0000	FLOOD RISK
720 minute summer	SW21	720	11.577	0.019	0.8	0.0053	0.0000	OK
720 minute summer	SW22	720	12.276	0.316	1.9	18.9713	0.0000	FLOOD RISK
720 minute summer	SW23	720	11.033	0.024	1.3	0.0068	0.0000	OK
720 minute summer	SW24	375	12.870	0.030	1.2	0.0000	0.0000	OK
720 minute summer	SW25	375	12.687	0.030	1.2	0.0086	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	SW1	1.000	SW2	0.2	0.327	0.011	0.0180	
720 minute summer	SW2	1.001	SW3	0.2	0.341	0.011	0.0077	
720 minute summer	SW3	1.002	SW4	0.2	0.286	0.009	0.0112	
720 minute summer	SW4	1.008	SW12	0.3	0.386	0.018	0.0291	
720 minute summer	SW5	1.003	SW6	0.7	0.507	0.116	0.0094	
720 minute summer	SW6	1.004	SW7	0.7	0.489	0.116	0.0127	
720 minute summer	SW7	1.005	SW8	0.7	0.490	0.116	0.0015	
720 minute summer	SW8	Flow through Pond	SW9	0.6	0.011	0.000	9.3657	
720 minute summer	SW9	1.007	SW4	0.1	0.237	0.021	0.0007	
720 minute summer	SW10	1.006	SW11	0.5	0.842	0.036	0.0020	
720 minute summer	SW11	Flow through Pond	SW9	0.6	0.011	0.000	9.3657	
720 minute summer	SW12	1.009	SW13	0.3	0.315	0.018	0.0246	
720 minute summer	SW13	1.010	SW21	0.7	0.433	0.013	0.0109	
720 minute summer	SW14	2.000	SW15	0.1	0.303	0.020	0.0090	
720 minute summer	SW15	2.001	SW16	0.1	0.303	0.020	0.0028	
720 minute summer	SW16	2.002	SW17	0.1	0.295	0.020	0.0059	
720 minute summer	SW17	2.003	SW19	0.2	0.384	0.009	0.0037	
720 minute summer	SW18	3.000	SW17	0.1	0.350	0.005	0.0003	
720 minute summer	SW19	2.004	SW13	0.3	0.500	0.014	0.0036	
720 minute summer	SW20	4.000	SW19	0.1	0.242	0.019	0.0008	
720 minute summer	SW21	1.011	SW23	0.8	0.406	0.014	0.0976	
720 minute summer	SW22	5.000	SW21	0.1	0.189	0.012	0.0098	
720 minute summer	SW23	6.010	SW40	1.3	0.599	0.023	0.0187	
720 minute summer	SW24	6.000	SW25	1.2	0.600	0.199	0.0366	
720 minute summer	SW25	6.001	SW26	1.2	0.563	0.199	0.0463	

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Results for 30 year +45% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.70%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	SW26	375	12.473	0.033	1.4	0.0000	0.0000	OK
720 minute summer	SW27	345	12.807	0.007	0.2	0.0000	0.0000	OK
720 minute summer	SW28	375	12.414	0.036	2.0	0.0316	0.0000	OK
720 minute summer	SW29	375	12.852	0.022	0.6	0.0000	0.0000	OK
720 minute summer	SW30	375	12.377	0.035	2.0	0.0305	0.0000	OK
720 minute summer	SW31	705	12.238	0.580	2.0	0.0000	0.0000	OK
720 minute summer	SW32	705	12.238	0.584	1.1	0.1651	0.0000	SURCHARGED
720 minute summer	SW33	720	11.581	0.012	0.2	0.0107	0.0000	OK
720 minute summer	SW34	720	13.658	0.308	2.8	29.6660	0.0000	FLOOD RISK
720 minute summer	SW35	720	11.431	0.012	0.2	0.0035	0.0000	OK
720 minute summer	SW36	720	11.358	0.012	0.2	0.0035	0.0000	OK
720 minute summer	SW37	720	11.200	0.016	0.4	0.0142	0.0000	OK
720 minute summer	SW38	630	13.136	0.466	2.3	20.8977	0.0000	FLOOD RISK
720 minute summer	SW39	720	12.739	0.439	1.7	17.1057	0.0000	FLOOD RISK
720 minute summer	SW40	720	10.239	0.001	1.6	0.0007	0.0000	OK
720 minute summer	SW41	720	12.566	0.346	1.7	16.8177	0.0000	FLOOD RISK
720 minute summer	SW42	375	12.838	0.018	0.6	0.0000	0.0000	OK
720 minute summer	SW43	375	12.322	0.022	0.6	0.0061	0.0000	OK
720 minute summer	SW44	375	12.232	0.022	0.6	0.0061	0.0000	OK
720 minute summer	SW45	375	12.186	0.027	0.9	0.0075	0.0000	OK
720 minute summer	SW46	375	12.063	0.025	1.1	0.0072	0.0000	OK
720 minute summer	SW47	375	11.188	0.043	2.2	0.0120	0.0000	OK
720 minute summer	SW48	345	11.913	0.013	0.2	0.0000	0.0000	OK
720 minute summer	SW49	360	11.915	0.015	0.3	0.0000	0.0000	OK
720 minute summer	SW50	375	11.821	0.020	0.5	0.0032	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	SW26	6.002	SW28	1.4	0.577	0.232	0.0150	
720 minute summer	SW27	7.000	SW26	0.2	0.216	0.011	0.0049	
720 minute summer	SW28	6.003	SW30	2.0	0.621	0.113	0.0116	
720 minute summer	SW29	8.000	SW28	0.6	0.487	0.099	0.0060	
720 minute summer	SW30	6.004	SW31	2.0	0.652	0.113	0.0118	
720 minute summer	SW31	Flow through Pond	SW32	1.1	0.001	0.000	18.7888	
720 minute summer	SW32	6.005	SW33	0.1	0.305	0.021	0.0015	
720 minute summer	SW33	6.006	SW35	0.2	0.352	0.014	0.0103	
720 minute summer	SW34	9.000	SW33	0.1	0.374	0.013	0.0005	
720 minute summer	SW35	6.007	SW36	0.2	0.353	0.014	0.0050	
720 minute summer	SW36	6.008	SW37	0.2	0.283	0.014	0.0139	
720 minute summer	SW37	6.009	SW23	0.4	0.314	0.025	0.0251	
720 minute summer	SW38	10.000	SW37	0.2	0.440	0.024	0.0006	
720 minute summer	SW39	11.000	SW23	0.1	0.369	0.013	0.0004	
720 minute summer	SW40	Pump		1.6				64.7
720 minute summer	SW41	12.000	SW40	0.1	0.382	0.014	0.0007	
720 minute summer	SW42	13.000	SW43	0.6	0.623	0.070	0.0034	
720 minute summer	SW43	13.001	SW44	0.6	0.481	0.099	0.0112	
720 minute summer	SW44	13.002	SW45	0.6	0.412	0.099	0.0075	
720 minute summer	SW45	13.003	SW46	0.9	0.556	0.149	0.0196	
720 minute summer	SW46	13.004	SW47	1.1	0.710	0.137	0.0218	
720 minute summer	SW47	17.000	SW55	2.2	0.675	0.364	0.0484	
720 minute summer	SW48	14.000	SW47	0.2	0.355	0.033	0.0078	
720 minute summer	SW49	15.000	SW50	0.3	0.351	0.050	0.0093	
720 minute summer	SW50	15.001	SW51	0.5	0.507	0.083	0.0128	

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Results for 30 year +45% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.70%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	SW51	375	11.689	0.017	0.5	0.0026	0.0000	OK
720 minute summer	SW52	375	11.226	0.026	0.9	0.0074	0.0000	OK
720 minute summer	SW53	375	11.918	0.018	0.4	0.0000	0.0000	OK
720 minute summer	SW54	375	11.288	0.017	0.4	0.0049	0.0000	OK
720 minute summer	SW55	375	11.041	0.044	2.2	0.0031	0.0000	OK
720 minute summer	SW56	585	10.840	0.546	2.2	0.0000	0.0000	OK
720 minute summer	SW57	585	10.840	0.556	1.2	0.1573	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	SW51	15.002	SW52	0.5	0.409	0.060	0.0306	
720 minute summer	SW52	15.003	SW47	0.9	0.379	0.149	0.0133	
720 minute summer	SW53	16.000	SW54	0.4	0.431	0.066	0.0032	
720 minute summer	SW54	16.001	SW52	0.4	0.318	0.066	0.0091	
720 minute summer	SW55	17.001	SW56	2.2	0.687	0.364	0.0040	
720 minute summer	SW56	Flow through Pond	SW57	1.2	0.003	0.000	18.8445	
720 minute summer	SW57	17.002	SW40	0.1	0.575	0.021	0.0015	

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Results for 30 year +45% CC 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.70%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	SW1	720	13.310	0.420	4.2	67.8166	0.0000	FLOOD RISK
720 minute winter	SW2	720	12.593	0.011	0.2	0.0032	0.0000	OK
720 minute winter	SW3	720	12.454	0.010	0.2	0.0030	0.0000	OK
720 minute winter	SW4	705	12.243	0.014	0.3	0.0000	0.0000	OK
720 minute winter	SW5	360	13.120	0.020	0.5	0.0000	0.0000	OK
720 minute winter	SW6	360	13.052	0.020	0.5	0.0031	0.0000	OK
720 minute winter	SW7	360	12.964	0.021	0.5	0.0015	0.0000	OK
720 minute winter	SW8	690	12.819	0.564	0.5	0.0000	0.0000	OK
720 minute winter	SW9	690	12.819	0.576	0.4	0.1629	0.0000	SURCHARGED
720 minute winter	SW10	330	13.130	0.010	0.3	0.0000	0.0000	OK
720 minute winter	SW11	690	12.819	0.564	0.3	0.0000	0.0000	OK
720 minute winter	SW12	705	11.887	0.014	0.3	0.0040	0.0000	OK
720 minute winter	SW13	705	11.647	0.018	0.7	0.0158	0.0000	OK
720 minute winter	SW14	675	13.474	0.354	0.9	12.3802	0.0000	FLOOD RISK
720 minute winter	SW15	675	12.902	0.010	0.1	0.0028	0.0000	OK
720 minute winter	SW16	675	12.832	0.010	0.1	0.0028	0.0000	OK
720 minute winter	SW17	705	12.687	0.010	0.2	0.0090	0.0000	OK
720 minute winter	SW18	720	13.185	0.315	4.0	66.2798	0.0000	SURCHARGED
720 minute winter	SW19	705	12.566	0.013	0.4	0.0036	0.0000	OK
720 minute winter	SW20	660	12.883	0.313	0.8	11.6793	0.0000	FLOOD RISK
720 minute winter	SW21	705	11.577	0.019	0.8	0.0054	0.0000	OK
720 minute winter	SW22	705	12.272	0.312	1.3	18.7054	0.0000	FLOOD RISK
720 minute winter	SW23	705	11.033	0.024	1.3	0.0068	0.0000	OK
720 minute winter	SW24	360	12.865	0.025	0.8	0.0000	0.0000	OK
720 minute winter	SW25	360	12.682	0.025	0.8	0.0070	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	SW1	1.000	SW2	0.2	0.327	0.011	0.0181	
720 minute winter	SW2	1.001	SW3	0.2	0.341	0.011	0.0078	
720 minute winter	SW3	1.002	SW4	0.2	0.286	0.010	0.0113	
720 minute winter	SW4	1.008	SW12	0.3	0.387	0.018	0.0294	
720 minute winter	SW5	1.003	SW6	0.5	0.462	0.083	0.0074	
720 minute winter	SW6	1.004	SW7	0.5	0.447	0.083	0.0099	
720 minute winter	SW7	1.005	SW8	0.5	0.446	0.083	0.0012	
720 minute winter	SW8	Flow through Pond	SW9	0.4	0.007	0.000	9.7424	
720 minute winter	SW9	1.007	SW4	0.1	0.239	0.021	0.0007	
720 minute winter	SW10	1.006	SW11	0.3	0.721	0.021	0.0014	
720 minute winter	SW11	Flow through Pond	SW9	0.4	0.007	0.000	9.7424	
720 minute winter	SW12	1.009	SW13	0.3	0.316	0.018	0.0248	
720 minute winter	SW13	1.010	SW21	0.7	0.435	0.013	0.0110	
720 minute winter	SW14	2.000	SW15	0.1	0.305	0.020	0.0092	
720 minute winter	SW15	2.001	SW16	0.1	0.305	0.020	0.0028	
720 minute winter	SW16	2.002	SW17	0.1	0.297	0.020	0.0060	
720 minute winter	SW17	2.003	SW19	0.2	0.385	0.009	0.0037	
720 minute winter	SW18	3.000	SW17	0.1	0.350	0.005	0.0003	
720 minute winter	SW19	2.004	SW13	0.4	0.502	0.014	0.0036	
720 minute winter	SW20	4.000	SW19	0.1	0.242	0.019	0.0008	
720 minute winter	SW21	1.011	SW23	0.8	0.408	0.015	0.0982	
720 minute winter	SW22	5.000	SW21	0.1	0.187	0.012	0.0098	
720 minute winter	SW23	6.010	SW40	1.3	0.601	0.023	0.0188	
720 minute winter	SW24	6.000	SW25	0.8	0.534	0.133	0.0274	
720 minute winter	SW25	6.001	SW26	0.8	0.491	0.133	0.0354	

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Results for 30 year +45% CC 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.70%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	SW26	360	12.468	0.028	1.0	0.0000	0.0000	OK
720 minute winter	SW27	360	12.807	0.007	0.2	0.0000	0.0000	OK
720 minute winter	SW28	360	12.408	0.030	1.4	0.0261	0.0000	OK
720 minute winter	SW29	360	12.848	0.018	0.4	0.0000	0.0000	OK
720 minute winter	SW30	360	12.371	0.029	1.4	0.0254	0.0000	OK
720 minute winter	SW31	705	12.246	0.588	1.4	0.0000	0.0000	OK
720 minute winter	SW32	705	12.246	0.592	0.8	0.1676	0.0000	SURCHARGED
720 minute winter	SW33	705	11.581	0.012	0.2	0.0107	0.0000	OK
720 minute winter	SW34	720	13.654	0.304	1.9	29.2348	0.0000	FLOOD RISK
720 minute winter	SW35	705	11.431	0.012	0.2	0.0035	0.0000	OK
720 minute winter	SW36	705	11.358	0.012	0.2	0.0035	0.0000	OK
720 minute winter	SW37	705	11.200	0.016	0.4	0.0143	0.0000	OK
720 minute winter	SW38	675	13.144	0.474	1.5	21.3024	0.0000	FLOOD RISK
720 minute winter	SW39	705	12.741	0.441	1.2	17.1736	0.0000	FLOOD RISK
720 minute winter	SW40	705	10.239	0.001	1.6	0.0007	0.0000	OK
720 minute winter	SW41	705	12.568	0.348	1.2	16.8959	0.0000	FLOOD RISK
720 minute winter	SW42	360	12.835	0.015	0.4	0.0000	0.0000	OK
720 minute winter	SW43	360	12.318	0.018	0.4	0.0050	0.0000	OK
720 minute winter	SW44	360	12.228	0.018	0.4	0.0050	0.0000	OK
720 minute winter	SW45	360	12.181	0.022	0.6	0.0062	0.0000	OK
720 minute winter	SW46	360	12.058	0.020	0.7	0.0057	0.0000	OK
720 minute winter	SW47	360	11.179	0.034	1.5	0.0097	0.0000	OK
720 minute winter	SW48	360	11.913	0.013	0.2	0.0000	0.0000	OK
720 minute winter	SW49	315	11.913	0.012	0.2	0.0000	0.0000	OK
720 minute winter	SW50	315	11.817	0.016	0.3	0.0025	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	SW26	6.002	SW28	1.0	0.532	0.166	0.0116	
720 minute winter	SW27	7.000	SW26	0.2	0.217	0.011	0.0039	
720 minute winter	SW28	6.003	SW30	1.4	0.566	0.079	0.0089	
720 minute winter	SW29	8.000	SW28	0.4	0.433	0.066	0.0045	
720 minute winter	SW30	6.004	SW31	1.4	0.590	0.079	0.0091	
720 minute winter	SW31	Flow through Pond	SW32	0.8	0.001	0.000	19.0684	
720 minute winter	SW32	6.005	SW33	0.1	0.306	0.021	0.0015	
720 minute winter	SW33	6.006	SW35	0.2	0.352	0.014	0.0103	
720 minute winter	SW34	9.000	SW33	0.1	0.373	0.013	0.0005	
720 minute winter	SW35	6.007	SW36	0.2	0.353	0.014	0.0050	
720 minute winter	SW36	6.008	SW37	0.2	0.283	0.014	0.0140	
720 minute winter	SW37	6.009	SW23	0.4	0.314	0.025	0.0252	
720 minute winter	SW38	10.000	SW37	0.2	0.441	0.024	0.0007	
720 minute winter	SW39	11.000	SW23	0.1	0.370	0.013	0.0004	
720 minute winter	SW40	Pump		1.6				65.2
720 minute winter	SW41	12.000	SW40	0.1	0.382	0.014	0.0007	
720 minute winter	SW42	13.000	SW43	0.4	0.554	0.047	0.0026	
720 minute winter	SW43	13.001	SW44	0.4	0.431	0.066	0.0084	
720 minute winter	SW44	13.002	SW45	0.4	0.369	0.066	0.0056	
720 minute winter	SW45	13.003	SW46	0.6	0.503	0.099	0.0144	
720 minute winter	SW46	13.004	SW47	0.7	0.624	0.087	0.0158	
720 minute winter	SW47	17.000	SW55	1.5	0.612	0.248	0.0363	
720 minute winter	SW48	14.000	SW47	0.2	0.355	0.033	0.0078	
720 minute winter	SW49	15.000	SW50	0.2	0.298	0.033	0.0067	
720 minute winter	SW50	15.001	SW51	0.3	0.436	0.050	0.0089	

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Results for 30 year +45% CC 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.70%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	SW51	315	11.685	0.013	0.3	0.0021	0.0000	OK
720 minute winter	SW52	360	11.221	0.021	0.6	0.0060	0.0000	OK
720 minute winter	SW53	360	11.915	0.015	0.3	0.0000	0.0000	OK
720 minute winter	SW54	360	11.286	0.015	0.3	0.0043	0.0000	OK
720 minute winter	SW55	360	11.033	0.036	1.5	0.0025	0.0000	OK
720 minute winter	SW56	600	10.853	0.559	1.5	0.0000	0.0000	OK
720 minute winter	SW57	600	10.853	0.569	0.8	0.1611	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	SW51	15.002	SW52	0.3	0.364	0.036	0.0224	
720 minute winter	SW52	15.003	SW47	0.6	0.337	0.099	0.0100	
720 minute winter	SW53	16.000	SW54	0.3	0.397	0.050	0.0026	
720 minute winter	SW54	16.001	SW52	0.3	0.308	0.050	0.0070	
720 minute winter	SW55	17.001	SW56	1.5	0.621	0.248	0.0030	
720 minute winter	SW56	Flow through Pond	SW57	0.8	0.003	0.000	19.3032	
720 minute winter	SW57	17.002	SW40	0.1	0.577	0.021	0.0015	

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Results for 30 year +45% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.73%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	SW1	975	13.319	0.429	5.1	69.3069	0.0000	FLOOD RISK
960 minute summer	SW2	975	12.593	0.011	0.2	0.0032	0.0000	OK
960 minute summer	SW3	975	12.455	0.011	0.2	0.0030	0.0000	OK
960 minute summer	SW4	945	12.243	0.014	0.3	0.0000	0.0000	OK
960 minute summer	SW5	495	13.122	0.022	0.6	0.0000	0.0000	OK
960 minute summer	SW6	495	13.054	0.022	0.6	0.0034	0.0000	OK
960 minute summer	SW7	495	12.966	0.023	0.6	0.0016	0.0000	OK
960 minute summer	SW8	750	12.786	0.531	0.6	0.0000	0.0000	OK
960 minute summer	SW9	750	12.786	0.543	0.5	0.1538	0.0000	SURCHARGED
960 minute summer	SW10	495	13.132	0.012	0.4	0.0000	0.0000	OK
960 minute summer	SW11	750	12.786	0.531	0.4	0.0000	0.0000	OK
960 minute summer	SW12	945	11.887	0.014	0.3	0.0039	0.0000	OK
960 minute summer	SW13	945	11.647	0.018	0.7	0.0157	0.0000	OK
960 minute summer	SW14	735	13.456	0.336	1.1	11.7522	0.0000	FLOOD RISK
960 minute summer	SW15	735	12.902	0.010	0.1	0.0028	0.0000	OK
960 minute summer	SW16	735	12.832	0.010	0.1	0.0028	0.0000	OK
960 minute summer	SW17	960	12.687	0.010	0.2	0.0089	0.0000	OK
960 minute summer	SW18	975	13.194	0.324	4.8	68.2142	0.0000	SURCHARGED
960 minute summer	SW19	960	12.566	0.013	0.3	0.0036	0.0000	OK
960 minute summer	SW20	720	12.875	0.305	1.0	11.3548	0.0000	FLOOD RISK
960 minute summer	SW21	945	11.577	0.019	0.8	0.0053	0.0000	OK
960 minute summer	SW22	870	12.268	0.308	1.5	18.4750	0.0000	FLOOD RISK
960 minute summer	SW23	945	11.033	0.024	1.3	0.0068	0.0000	OK
960 minute summer	SW24	495	12.866	0.026	0.9	0.0000	0.0000	OK
960 minute summer	SW25	495	12.683	0.026	0.9	0.0074	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	SW1	1.000	SW2	0.2	0.328	0.011	0.0182	
960 minute summer	SW2	1.001	SW3	0.2	0.343	0.011	0.0078	
960 minute summer	SW3	1.002	SW4	0.2	0.290	0.010	0.0113	
960 minute summer	SW4	1.008	SW12	0.3	0.386	0.018	0.0292	
960 minute summer	SW5	1.003	SW6	0.6	0.486	0.099	0.0084	
960 minute summer	SW6	1.004	SW7	0.6	0.470	0.099	0.0113	
960 minute summer	SW7	1.005	SW8	0.6	0.469	0.099	0.0013	
960 minute summer	SW8	Flow through Pond	SW9	0.5	0.006	0.000	9.1890	
960 minute summer	SW9	1.007	SW4	0.1	0.236	0.020	0.0007	
960 minute summer	SW10	1.006	SW11	0.4	0.786	0.028	0.0017	
960 minute summer	SW11	Flow through Pond	SW9	0.5	0.006	0.000	9.1890	
960 minute summer	SW12	1.009	SW13	0.3	0.315	0.018	0.0246	
960 minute summer	SW13	1.010	SW21	0.7	0.433	0.013	0.0109	
960 minute summer	SW14	2.000	SW15	0.1	0.302	0.020	0.0090	
960 minute summer	SW15	2.001	SW16	0.1	0.303	0.020	0.0027	
960 minute summer	SW16	2.002	SW17	0.1	0.294	0.020	0.0059	
960 minute summer	SW17	2.003	SW19	0.2	0.385	0.009	0.0037	
960 minute summer	SW18	3.000	SW17	0.1	0.352	0.005	0.0004	
960 minute summer	SW19	2.004	SW13	0.3	0.500	0.014	0.0036	
960 minute summer	SW20	4.000	SW19	0.1	0.242	0.019	0.0008	
960 minute summer	SW21	1.011	SW23	0.8	0.407	0.014	0.0973	
960 minute summer	SW22	5.000	SW21	0.1	0.187	0.012	0.0098	
960 minute summer	SW23	6.010	SW40	1.3	0.598	0.023	0.0186	
960 minute summer	SW24	6.000	SW25	0.9	0.553	0.149	0.0298	
960 minute summer	SW25	6.001	SW26	0.9	0.511	0.149	0.0383	

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Results for 30 year +45% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.73%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	SW26	495	12.469	0.029	1.1	0.0000	0.0000	OK
960 minute summer	SW27	480	12.807	0.007	0.2	0.0000	0.0000	OK
960 minute summer	SW28	495	12.409	0.031	1.5	0.0271	0.0000	OK
960 minute summer	SW29	480	12.848	0.018	0.4	0.0000	0.0000	OK
960 minute summer	SW30	495	12.372	0.030	1.5	0.0263	0.0000	OK
960 minute summer	SW31	810	12.211	0.553	1.5	0.0000	0.0000	OK
960 minute summer	SW32	810	12.211	0.557	0.8	0.1577	0.0000	SURCHARGED
960 minute summer	SW33	960	11.581	0.012	0.2	0.0106	0.0000	OK
960 minute summer	SW34	960	13.662	0.312	2.3	30.0191	0.0000	FLOOD RISK
960 minute summer	SW35	960	11.431	0.012	0.2	0.0035	0.0000	OK
960 minute summer	SW36	960	11.358	0.012	0.2	0.0035	0.0000	OK
960 minute summer	SW37	960	11.200	0.016	0.4	0.0141	0.0000	OK
960 minute summer	SW38	960	13.121	0.451	1.8	20.2225	0.0000	FLOOD RISK
960 minute summer	SW39	825	12.732	0.432	1.4	16.8320	0.0000	FLOOD RISK
960 minute summer	SW40	885	10.239	0.001	1.6	0.0007	0.0000	OK
960 minute summer	SW41	825	12.561	0.341	1.4	16.5404	0.0000	FLOOD RISK
960 minute summer	SW42	480	12.835	0.015	0.4	0.0000	0.0000	OK
960 minute summer	SW43	480	12.318	0.018	0.4	0.0050	0.0000	OK
960 minute summer	SW44	510	12.228	0.018	0.4	0.0050	0.0000	OK
960 minute summer	SW45	495	12.183	0.024	0.7	0.0067	0.0000	OK
960 minute summer	SW46	495	12.060	0.022	0.8	0.0061	0.0000	OK
960 minute summer	SW47	495	11.182	0.037	1.7	0.0104	0.0000	OK
960 minute summer	SW48	480	11.913	0.013	0.2	0.0000	0.0000	OK
960 minute summer	SW49	495	11.915	0.015	0.3	0.0000	0.0000	OK
960 minute summer	SW50	495	11.819	0.018	0.4	0.0029	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	SW26	6.002	SW28	1.1	0.551	0.182	0.0124	
960 minute summer	SW27	7.000	SW26	0.2	0.216	0.011	0.0042	
960 minute summer	SW28	6.003	SW30	1.5	0.576	0.084	0.0094	
960 minute summer	SW29	8.000	SW28	0.4	0.433	0.066	0.0045	
960 minute summer	SW30	6.004	SW31	1.5	0.602	0.084	0.0096	
960 minute summer	SW31	Flow through Pond	SW32	0.8	0.001	0.000	17.9355	
960 minute summer	SW32	6.005	SW33	0.1	0.303	0.021	0.0015	
960 minute summer	SW33	6.006	SW35	0.2	0.351	0.013	0.0102	
960 minute summer	SW34	9.000	SW33	0.1	0.375	0.013	0.0005	
960 minute summer	SW35	6.007	SW36	0.2	0.352	0.013	0.0050	
960 minute summer	SW36	6.008	SW37	0.2	0.282	0.013	0.0138	
960 minute summer	SW37	6.009	SW23	0.4	0.312	0.025	0.0249	
960 minute summer	SW38	10.000	SW37	0.2	0.437	0.023	0.0006	
960 minute summer	SW39	11.000	SW23	0.1	0.369	0.013	0.0004	
960 minute summer	SW40	Pump		1.6				78.7
960 minute summer	SW41	12.000	SW40	0.1	0.381	0.014	0.0007	
960 minute summer	SW42	13.000	SW43	0.4	0.554	0.047	0.0026	
960 minute summer	SW43	13.001	SW44	0.4	0.432	0.066	0.0084	
960 minute summer	SW44	13.002	SW45	0.4	0.368	0.066	0.0060	
960 minute summer	SW45	13.003	SW46	0.7	0.529	0.116	0.0160	
960 minute summer	SW46	13.004	SW47	0.8	0.649	0.100	0.0173	
960 minute summer	SW47	17.000	SW55	1.7	0.632	0.282	0.0399	
960 minute summer	SW48	14.000	SW47	0.2	0.355	0.033	0.0078	
960 minute summer	SW49	15.000	SW50	0.3	0.352	0.050	0.0085	
960 minute summer	SW50	15.001	SW51	0.4	0.474	0.066	0.0109	

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Results for 30 year +45% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.73%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	SW51	495	11.687	0.015	0.4	0.0024	0.0000	OK
960 minute summer	SW52	495	11.223	0.023	0.7	0.0065	0.0000	OK
960 minute summer	SW53	480	11.915	0.015	0.3	0.0000	0.0000	OK
960 minute summer	SW54	480	11.286	0.015	0.3	0.0043	0.0000	OK
960 minute summer	SW55	495	11.035	0.038	1.7	0.0027	0.0000	OK
960 minute summer	SW56	705	10.808	0.514	1.7	0.0000	0.0000	OK
960 minute summer	SW57	705	10.808	0.524	0.9	0.1483	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	SW51	15.002	SW52	0.4	0.388	0.048	0.0257	
960 minute summer	SW52	15.003	SW47	0.7	0.356	0.116	0.0110	
960 minute summer	SW53	16.000	SW54	0.3	0.397	0.050	0.0026	
960 minute summer	SW54	16.001	SW52	0.3	0.305	0.050	0.0075	
960 minute summer	SW55	17.001	SW56	1.7	0.642	0.282	0.0033	
960 minute summer	SW56	Flow through Pond	SW57	0.9	0.003	0.000	17.7569	
960 minute summer	SW57	17.002	SW40	0.1	0.571	0.020	0.0015	

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Results for 30 year +45% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.74%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	SW1	960	13.321	0.431	3.3	69.5385	0.0000	FLOOD RISK
960 minute winter	SW2	960	12.593	0.011	0.2	0.0032	0.0000	OK
960 minute winter	SW3	960	12.455	0.011	0.2	0.0030	0.0000	OK
960 minute winter	SW4	930	12.243	0.014	0.3	0.0000	0.0000	OK
960 minute winter	SW5	465	13.118	0.018	0.4	0.0000	0.0000	OK
960 minute winter	SW6	465	13.050	0.018	0.4	0.0028	0.0000	OK
960 minute winter	SW7	465	12.961	0.018	0.4	0.0013	0.0000	OK
960 minute winter	SW8	780	12.781	0.526	0.4	0.0000	0.0000	OK
960 minute winter	SW9	780	12.781	0.538	0.4	0.1522	0.0000	SURCHARGED
960 minute winter	SW10	495	13.130	0.010	0.3	0.0000	0.0000	OK
960 minute winter	SW11	780	12.781	0.526	0.3	0.0000	0.0000	OK
960 minute winter	SW12	930	11.887	0.014	0.3	0.0040	0.0000	OK
960 minute winter	SW13	930	11.647	0.018	0.7	0.0157	0.0000	OK
960 minute winter	SW14	765	13.459	0.339	0.7	11.8348	0.0000	FLOOD RISK
960 minute winter	SW15	765	12.902	0.010	0.1	0.0028	0.0000	OK
960 minute winter	SW16	765	12.832	0.010	0.1	0.0028	0.0000	OK
960 minute winter	SW17	945	12.687	0.010	0.2	0.0089	0.0000	OK
960 minute winter	SW18	960	13.196	0.326	3.2	68.7358	0.0000	SURCHARGED
960 minute winter	SW19	945	12.566	0.013	0.3	0.0036	0.0000	OK
960 minute winter	SW20	750	12.873	0.303	0.7	11.2855	0.0000	FLOOD RISK
960 minute winter	SW21	930	11.577	0.019	0.8	0.0054	0.0000	OK
960 minute winter	SW22	915	12.274	0.314	1.0	18.8575	0.0000	FLOOD RISK
960 minute winter	SW23	930	11.033	0.024	1.3	0.0068	0.0000	OK
960 minute winter	SW24	450	12.861	0.021	0.6	0.0000	0.0000	OK
960 minute winter	SW25	450	12.678	0.021	0.6	0.0060	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	SW1	1.000	SW2	0.2	0.329	0.011	0.0182	
960 minute winter	SW2	1.001	SW3	0.2	0.343	0.011	0.0078	
960 minute winter	SW3	1.002	SW4	0.2	0.290	0.010	0.0113	
960 minute winter	SW4	1.008	SW12	0.3	0.386	0.018	0.0292	
960 minute winter	SW5	1.003	SW6	0.4	0.433	0.066	0.0063	
960 minute winter	SW6	1.004	SW7	0.4	0.419	0.066	0.0084	
960 minute winter	SW7	1.005	SW8	0.4	0.418	0.066	0.0010	
960 minute winter	SW8	Flow through Pond	SW9	0.4	0.006	0.000	9.0936	
960 minute winter	SW9	1.007	SW4	0.1	0.235	0.020	0.0007	
960 minute winter	SW10	1.006	SW11	0.3	0.721	0.021	0.0014	
960 minute winter	SW11	Flow through Pond	SW9	0.4	0.006	0.000	9.0936	
960 minute winter	SW12	1.009	SW13	0.3	0.315	0.018	0.0246	
960 minute winter	SW13	1.010	SW21	0.7	0.433	0.013	0.0109	
960 minute winter	SW14	2.000	SW15	0.1	0.303	0.020	0.0090	
960 minute winter	SW15	2.001	SW16	0.1	0.303	0.020	0.0027	
960 minute winter	SW16	2.002	SW17	0.1	0.294	0.020	0.0059	
960 minute winter	SW17	2.003	SW19	0.2	0.386	0.009	0.0037	
960 minute winter	SW18	3.000	SW17	0.1	0.352	0.005	0.0004	
960 minute winter	SW19	2.004	SW13	0.3	0.501	0.014	0.0036	
960 minute winter	SW20	4.000	SW19	0.1	0.241	0.019	0.0008	
960 minute winter	SW21	1.011	SW23	0.8	0.407	0.014	0.0977	
960 minute winter	SW22	5.000	SW21	0.1	0.188	0.012	0.0098	
960 minute winter	SW23	6.010	SW40	1.3	0.600	0.023	0.0187	
960 minute winter	SW24	6.000	SW25	0.6	0.492	0.099	0.0223	
960 minute winter	SW25	6.001	SW26	0.6	0.465	0.099	0.0280	

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Results for 30 year +45% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.74%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	SW26	450	12.463	0.023	0.7	0.0000	0.0000	OK
960 minute winter	SW27	330	12.805	0.005	0.1	0.0000	0.0000	OK
960 minute winter	SW28	450	12.403	0.025	1.0	0.0220	0.0000	OK
960 minute winter	SW29	450	12.845	0.015	0.3	0.0000	0.0000	OK
960 minute winter	SW30	450	12.367	0.025	1.0	0.0215	0.0000	OK
960 minute winter	SW31	900	12.243	0.585	1.0	0.0000	0.0000	OK
960 minute winter	SW32	900	12.243	0.589	0.7	0.1666	0.0000	SURCHARGED
960 minute winter	SW33	930	11.581	0.012	0.2	0.0108	0.0000	OK
960 minute winter	SW34	945	13.667	0.317	1.5	30.5673	0.0000	FLOOD RISK
960 minute winter	SW35	930	11.432	0.013	0.2	0.0035	0.0000	OK
960 minute winter	SW36	930	11.358	0.012	0.2	0.0035	0.0000	OK
960 minute winter	SW37	915	11.200	0.016	0.4	0.0142	0.0000	OK
960 minute winter	SW38	915	13.124	0.454	1.2	20.3549	0.0000	FLOOD RISK
960 minute winter	SW39	900	12.746	0.446	0.9	17.3645	0.0000	FLOOD RISK
960 minute winter	SW40	915	10.239	0.001	1.6	0.0007	0.0000	OK
960 minute winter	SW41	900	12.570	0.350	0.9	17.0179	0.0000	FLOOD RISK
960 minute winter	SW42	450	12.833	0.013	0.3	0.0000	0.0000	OK
960 minute winter	SW43	450	12.315	0.015	0.3	0.0044	0.0000	OK
960 minute winter	SW44	540	12.225	0.015	0.3	0.0043	0.0000	OK
960 minute winter	SW45	465	12.179	0.020	0.5	0.0056	0.0000	OK
960 minute winter	SW46	465	12.057	0.019	0.6	0.0053	0.0000	OK
960 minute winter	SW47	465	11.176	0.031	1.2	0.0086	0.0000	OK
960 minute winter	SW48	330	11.909	0.009	0.1	0.0000	0.0000	OK
960 minute winter	SW49	465	11.913	0.012	0.2	0.0000	0.0000	OK
960 minute winter	SW50	465	11.817	0.016	0.3	0.0025	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	SW26	6.002	SW28	0.7	0.479	0.116	0.0090	
960 minute winter	SW27	7.000	SW26	0.1	0.204	0.005	0.0029	
960 minute winter	SW28	6.003	SW30	1.0	0.517	0.056	0.0069	
960 minute winter	SW29	8.000	SW28	0.3	0.399	0.050	0.0037	
960 minute winter	SW30	6.004	SW31	1.0	0.535	0.056	0.0072	
960 minute winter	SW31	Flow through Pond	SW32	0.7	0.001	0.000	18.9513	
960 minute winter	SW32	6.005	SW33	0.1	0.306	0.021	0.0015	
960 minute winter	SW33	6.006	SW35	0.2	0.353	0.014	0.0104	
960 minute winter	SW34	9.000	SW33	0.1	0.376	0.014	0.0005	
960 minute winter	SW35	6.007	SW36	0.2	0.354	0.014	0.0050	
960 minute winter	SW36	6.008	SW37	0.2	0.285	0.014	0.0140	
960 minute winter	SW37	6.009	SW23	0.4	0.314	0.025	0.0251	
960 minute winter	SW38	10.000	SW37	0.2	0.438	0.023	0.0006	
960 minute winter	SW39	11.000	SW23	0.1	0.370	0.013	0.0004	
960 minute winter	SW40	Pump		1.6				79.8
960 minute winter	SW41	12.000	SW40	0.1	0.383	0.014	0.0007	
960 minute winter	SW42	13.000	SW43	0.3	0.509	0.035	0.0021	
960 minute winter	SW43	13.001	SW44	0.3	0.398	0.050	0.0068	
960 minute winter	SW44	13.002	SW45	0.3	0.356	0.050	0.0047	
960 minute winter	SW45	13.003	SW46	0.5	0.474	0.083	0.0128	
960 minute winter	SW46	13.004	SW47	0.6	0.596	0.075	0.0141	
960 minute winter	SW47	17.000	SW55	1.2	0.577	0.199	0.0308	
960 minute winter	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
960 minute winter	SW49	15.000	SW50	0.2	0.298	0.033	0.0067	
960 minute winter	SW50	15.001	SW51	0.3	0.436	0.050	0.0089	

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Results for 30 year +45% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.74%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	SW51	465	11.685	0.013	0.3	0.0021	0.0000	OK
960 minute winter	SW52	465	11.220	0.020	0.5	0.0055	0.0000	OK
960 minute winter	SW53	405	11.913	0.013	0.2	0.0000	0.0000	OK
960 minute winter	SW54	405	11.284	0.013	0.2	0.0035	0.0000	OK
960 minute winter	SW55	465	11.029	0.032	1.2	0.0023	0.0000	OK
960 minute winter	SW56	735	10.850	0.556	1.2	0.0000	0.0000	OK
960 minute winter	SW57	735	10.850	0.566	0.7	0.1603	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	SW51	15.002	SW52	0.3	0.364	0.036	0.0206	
960 minute winter	SW52	15.003	SW47	0.5	0.327	0.083	0.0086	
960 minute winter	SW53	16.000	SW54	0.2	0.352	0.033	0.0019	
960 minute winter	SW54	16.001	SW52	0.2	0.287	0.033	0.0058	
960 minute winter	SW55	17.001	SW56	1.2	0.585	0.199	0.0026	
960 minute winter	SW56	Flow through Pond	SW57	0.7	0.003	0.000	19.2047	
960 minute winter	SW57	17.002	SW40	0.1	0.579	0.021	0.0015	

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Results for 30 year +45% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.81%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	SW1	1440	13.327	0.437	3.6	70.5553	0.0000	FLOOD RISK
1440 minute summer	SW2	1440	12.593	0.011	0.2	0.0032	0.0000	OK
1440 minute summer	SW3	1440	12.455	0.011	0.2	0.0030	0.0000	OK
1440 minute summer	SW4	1170	12.243	0.014	0.3	0.0000	0.0000	OK
1440 minute summer	SW5	750	13.118	0.018	0.4	0.0000	0.0000	OK
1440 minute summer	SW6	750	13.050	0.018	0.4	0.0028	0.0000	OK
1440 minute summer	SW7	750	12.961	0.018	0.4	0.0013	0.0000	OK
1440 minute summer	SW8	1020	12.738	0.483	0.4	0.0000	0.0000	OK
1440 minute summer	SW9	1020	12.738	0.495	0.4	0.1402	0.0000	SURCHARGED
1440 minute summer	SW10	750	13.130	0.010	0.3	0.0000	0.0000	OK
1440 minute summer	SW11	1020	12.738	0.483	0.3	0.0000	0.0000	OK
1440 minute summer	SW12	1170	11.887	0.014	0.3	0.0039	0.0000	OK
1440 minute summer	SW13	1170	11.647	0.018	0.7	0.0155	0.0000	OK
1440 minute summer	SW14	1020	13.450	0.330	0.8	11.5148	0.0000	FLOOD RISK
1440 minute summer	SW15	1020	12.902	0.010	0.1	0.0028	0.0000	OK
1440 minute summer	SW16	1020	12.832	0.010	0.1	0.0028	0.0000	OK
1440 minute summer	SW17	1440	12.687	0.010	0.2	0.0089	0.0000	OK
1440 minute summer	SW18	1470	13.206	0.336	3.4	70.8281	0.0000	FLOOD RISK
1440 minute summer	SW19	1440	12.566	0.013	0.3	0.0036	0.0000	OK
1440 minute summer	SW20	990	12.865	0.295	0.7	10.9930	0.0000	FLOOD RISK
1440 minute summer	SW21	1170	11.577	0.019	0.8	0.0053	0.0000	OK
1440 minute summer	SW22	1110	12.265	0.305	1.1	18.2654	0.0000	FLOOD RISK
1440 minute summer	SW23	1170	11.033	0.024	1.3	0.0068	0.0000	OK
1440 minute summer	SW24	750	12.863	0.023	0.7	0.0000	0.0000	OK
1440 minute summer	SW25	750	12.680	0.023	0.7	0.0065	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	SW1	1.000	SW2	0.2	0.329	0.011	0.0183	
1440 minute summer	SW2	1.001	SW3	0.2	0.344	0.011	0.0079	
1440 minute summer	SW3	1.002	SW4	0.2	0.297	0.010	0.0112	
1440 minute summer	SW4	1.008	SW12	0.3	0.383	0.017	0.0287	
1440 minute summer	SW5	1.003	SW6	0.4	0.433	0.066	0.0063	
1440 minute summer	SW6	1.004	SW7	0.4	0.419	0.066	0.0084	
1440 minute summer	SW7	1.005	SW8	0.4	0.418	0.066	0.0010	
1440 minute summer	SW8	Flow through Pond	SW9	0.4	0.010	0.000	8.3664	
1440 minute summer	SW9	1.007	SW4	0.1	0.230	0.020	0.0007	
1440 minute summer	SW10	1.006	SW11	0.3	0.721	0.021	0.0014	
1440 minute summer	SW11	Flow through Pond	SW9	0.4	0.010	0.000	8.3664	
1440 minute summer	SW12	1.009	SW13	0.3	0.312	0.017	0.0243	
1440 minute summer	SW13	1.010	SW21	0.7	0.431	0.013	0.0108	
1440 minute summer	SW14	2.000	SW15	0.1	0.301	0.020	0.0089	
1440 minute summer	SW15	2.001	SW16	0.1	0.302	0.020	0.0027	
1440 minute summer	SW16	2.002	SW17	0.1	0.292	0.020	0.0059	
1440 minute summer	SW17	2.003	SW19	0.2	0.386	0.009	0.0037	
1440 minute summer	SW18	3.000	SW17	0.1	0.353	0.005	0.0004	
1440 minute summer	SW19	2.004	SW13	0.3	0.499	0.014	0.0036	
1440 minute summer	SW20	4.000	SW19	0.1	0.240	0.018	0.0008	
1440 minute summer	SW21	1.011	SW23	0.8	0.405	0.014	0.0966	
1440 minute summer	SW22	5.000	SW21	0.1	0.188	0.011	0.0097	
1440 minute summer	SW23	6.010	SW40	1.3	0.596	0.023	0.0184	
1440 minute summer	SW24	6.000	SW25	0.7	0.514	0.116	0.0249	
1440 minute summer	SW25	6.001	SW26	0.7	0.489	0.116	0.0311	

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Results for 30 year +45% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.81%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	SW26	750	12.465	0.025	0.8	0.0000	0.0000	OK
1440 minute summer	SW27	630	12.805	0.005	0.1	0.0000	0.0000	OK
1440 minute summer	SW28	750	12.405	0.027	1.1	0.0231	0.0000	OK
1440 minute summer	SW29	720	12.845	0.015	0.3	0.0000	0.0000	OK
1440 minute summer	SW30	750	12.368	0.026	1.1	0.0225	0.0000	OK
1440 minute summer	SW31	1050	12.209	0.551	1.1	0.0000	0.0000	OK
1440 minute summer	SW32	1050	12.209	0.555	0.6	0.1570	0.0000	SURCHARGED
1440 minute summer	SW33	1350	11.581	0.012	0.2	0.0106	0.0000	OK
1440 minute summer	SW34	1380	13.668	0.318	1.6	30.5995	0.0000	FLOOD RISK
1440 minute summer	SW35	1350	11.431	0.012	0.2	0.0035	0.0000	OK
1440 minute summer	SW36	1350	11.358	0.012	0.2	0.0035	0.0000	OK
1440 minute summer	SW37	1170	11.200	0.016	0.4	0.0141	0.0000	OK
1440 minute summer	SW38	1170	13.113	0.443	1.3	19.8959	0.0000	FLOOD RISK
1440 minute summer	SW39	1080	12.735	0.435	1.0	16.9294	0.0000	FLOOD RISK
1440 minute summer	SW40	1140	10.239	0.001	1.6	0.0007	0.0000	OK
1440 minute summer	SW41	1080	12.562	0.342	1.0	16.5900	0.0000	FLOOD RISK
1440 minute summer	SW42	720	12.833	0.013	0.3	0.0000	0.0000	OK
1440 minute summer	SW43	720	12.315	0.015	0.3	0.0044	0.0000	OK
1440 minute summer	SW44	780	12.225	0.015	0.3	0.0043	0.0000	OK
1440 minute summer	SW45	750	12.179	0.020	0.5	0.0056	0.0000	OK
1440 minute summer	SW46	750	12.057	0.019	0.6	0.0053	0.0000	OK
1440 minute summer	SW47	750	11.176	0.031	1.2	0.0086	0.0000	OK
1440 minute summer	SW48	630	11.909	0.009	0.1	0.0000	0.0000	OK
1440 minute summer	SW49	750	11.913	0.012	0.2	0.0000	0.0000	OK
1440 minute summer	SW50	750	11.817	0.016	0.3	0.0025	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	SW26	6.002	SW28	0.8	0.503	0.133	0.0098	
1440 minute summer	SW27	7.000	SW26	0.1	0.202	0.005	0.0032	
1440 minute summer	SW28	6.003	SW30	1.1	0.531	0.062	0.0075	
1440 minute summer	SW29	8.000	SW28	0.3	0.399	0.050	0.0037	
1440 minute summer	SW30	6.004	SW31	1.1	0.550	0.062	0.0077	
1440 minute summer	SW31	Flow through Pond	SW32	0.6	0.001	0.000	17.8614	
1440 minute summer	SW32	6.005	SW33	0.1	0.303	0.021	0.0015	
1440 minute summer	SW33	6.006	SW35	0.2	0.351	0.013	0.0102	
1440 minute summer	SW34	9.000	SW33	0.1	0.376	0.014	0.0005	
1440 minute summer	SW35	6.007	SW36	0.2	0.352	0.013	0.0050	
1440 minute summer	SW36	6.008	SW37	0.2	0.285	0.013	0.0138	
1440 minute summer	SW37	6.009	SW23	0.4	0.312	0.025	0.0248	
1440 minute summer	SW38	10.000	SW37	0.2	0.436	0.023	0.0006	
1440 minute summer	SW39	11.000	SW23	0.1	0.369	0.013	0.0004	
1440 minute summer	SW40	Pump		1.6				105.7
1440 minute summer	SW41	12.000	SW40	0.1	0.381	0.014	0.0007	
1440 minute summer	SW42	13.000	SW43	0.3	0.509	0.035	0.0021	
1440 minute summer	SW43	13.001	SW44	0.3	0.398	0.050	0.0068	
1440 minute summer	SW44	13.002	SW45	0.3	0.356	0.050	0.0047	
1440 minute summer	SW45	13.003	SW46	0.5	0.474	0.083	0.0128	
1440 minute summer	SW46	13.004	SW47	0.6	0.596	0.075	0.0141	
1440 minute summer	SW47	17.000	SW55	1.2	0.577	0.199	0.0308	
1440 minute summer	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
1440 minute summer	SW49	15.000	SW50	0.2	0.298	0.033	0.0067	
1440 minute summer	SW50	15.001	SW51	0.3	0.436	0.050	0.0089	

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Results for 30 year +45% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.81%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	SW51	750	11.685	0.013	0.3	0.0021	0.0000	OK
1440 minute summer	SW52	750	11.220	0.020	0.5	0.0055	0.0000	OK
1440 minute summer	SW53	690	11.913	0.013	0.2	0.0000	0.0000	OK
1440 minute summer	SW54	690	11.284	0.013	0.2	0.0035	0.0000	OK
1440 minute summer	SW55	750	11.029	0.032	1.2	0.0023	0.0000	OK
1440 minute summer	SW56	990	10.794	0.500	1.2	0.0000	0.0000	OK
1440 minute summer	SW57	990	10.794	0.510	0.6	0.1443	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	SW51	15.002	SW52	0.3	0.364	0.036	0.0206	
1440 minute summer	SW52	15.003	SW47	0.5	0.327	0.083	0.0086	
1440 minute summer	SW53	16.000	SW54	0.2	0.352	0.033	0.0019	
1440 minute summer	SW54	16.001	SW52	0.2	0.285	0.033	0.0058	
1440 minute summer	SW55	17.001	SW56	1.2	0.585	0.199	0.0026	
1440 minute summer	SW56	Flow through Pond	SW57	0.6	0.001	0.000	17.2770	
1440 minute summer	SW57	17.002	SW40	0.1	0.560	0.020	0.0015	

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Results for 30 year +45% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	SW1	1410	13.332	0.442	2.4	71.2807	0.0000	FLOOD RISK
1440 minute winter	SW2	1410	12.593	0.011	0.2	0.0032	0.0000	OK
1440 minute winter	SW3	1410	12.455	0.011	0.2	0.0030	0.0000	OK
1440 minute winter	SW4	1200	12.243	0.014	0.3	0.0000	0.0000	OK
1440 minute winter	SW5	720	13.115	0.015	0.3	0.0000	0.0000	OK
1440 minute winter	SW6	720	13.047	0.015	0.3	0.0024	0.0000	OK
1440 minute winter	SW7	720	12.959	0.016	0.3	0.0011	0.0000	OK
1440 minute winter	SW8	1080	12.738	0.483	0.3	0.0000	0.0000	OK
1440 minute winter	SW9	1080	12.738	0.495	0.3	0.1400	0.0000	SURCHARGED
1440 minute winter	SW10	690	13.128	0.008	0.2	0.0000	0.0000	OK
1440 minute winter	SW11	1080	12.738	0.483	0.2	0.0000	0.0000	OK
1440 minute winter	SW12	1200	11.887	0.014	0.3	0.0039	0.0000	OK
1440 minute winter	SW13	1200	11.647	0.018	0.7	0.0156	0.0000	OK
1440 minute winter	SW14	1080	13.455	0.335	0.5	11.7050	0.0000	FLOOD RISK
1440 minute winter	SW15	1080	12.902	0.010	0.1	0.0028	0.0000	OK
1440 minute winter	SW16	1080	12.832	0.010	0.1	0.0028	0.0000	OK
1440 minute winter	SW17	1410	12.687	0.010	0.2	0.0090	0.0000	OK
1440 minute winter	SW18	1440	13.207	0.337	2.3	71.0970	0.0000	FLOOD RISK
1440 minute winter	SW19	1380	12.566	0.013	0.3	0.0036	0.0000	OK
1440 minute winter	SW20	1080	12.868	0.298	0.5	11.1063	0.0000	FLOOD RISK
1440 minute winter	SW21	1200	11.577	0.019	0.8	0.0053	0.0000	OK
1440 minute winter	SW22	1140	12.257	0.297	0.7	17.8309	0.0000	FLOOD RISK
1440 minute winter	SW23	1200	11.033	0.024	1.3	0.0068	0.0000	OK
1440 minute winter	SW24	660	12.858	0.018	0.4	0.0000	0.0000	OK
1440 minute winter	SW25	660	12.674	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	SW1	1.000	SW2	0.2	0.330	0.011	0.0184	
1440 minute winter	SW2	1.001	SW3	0.2	0.344	0.011	0.0079	
1440 minute winter	SW3	1.002	SW4	0.2	0.297	0.010	0.0112	
1440 minute winter	SW4	1.008	SW12	0.3	0.384	0.017	0.0288	
1440 minute winter	SW5	1.003	SW6	0.3	0.399	0.050	0.0051	
1440 minute winter	SW6	1.004	SW7	0.3	0.387	0.050	0.0069	
1440 minute winter	SW7	1.005	SW8	0.3	0.385	0.050	0.0008	
1440 minute winter	SW8	Flow through Pond	SW9	0.3	0.010	0.000	8.3557	
1440 minute winter	SW9	1.007	SW4	0.1	0.229	0.020	0.0007	
1440 minute winter	SW10	1.006	SW11	0.2	0.638	0.014	0.0010	
1440 minute winter	SW11	Flow through Pond	SW9	0.3	0.010	0.000	8.3557	
1440 minute winter	SW12	1.009	SW13	0.3	0.313	0.018	0.0244	
1440 minute winter	SW13	1.010	SW21	0.7	0.432	0.013	0.0108	
1440 minute winter	SW14	2.000	SW15	0.1	0.302	0.020	0.0090	
1440 minute winter	SW15	2.001	SW16	0.1	0.302	0.020	0.0027	
1440 minute winter	SW16	2.002	SW17	0.1	0.293	0.020	0.0059	
1440 minute winter	SW17	2.003	SW19	0.2	0.387	0.009	0.0037	
1440 minute winter	SW18	3.000	SW17	0.1	0.354	0.005	0.0004	
1440 minute winter	SW19	2.004	SW13	0.3	0.500	0.014	0.0036	
1440 minute winter	SW20	4.000	SW19	0.1	0.240	0.019	0.0008	
1440 minute winter	SW21	1.011	SW23	0.8	0.406	0.014	0.0967	
1440 minute winter	SW22	5.000	SW21	0.1	0.185	0.011	0.0097	
1440 minute winter	SW23	6.010	SW40	1.3	0.597	0.023	0.0185	
1440 minute winter	SW24	6.000	SW25	0.4	0.437	0.066	0.0168	
1440 minute winter	SW25	6.001	SW26	0.4	0.403	0.066	0.0216	

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Results for 30 year +45% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	SW26	660	12.459	0.019	0.5	0.0000	0.0000	OK
1440 minute winter	SW27	570	12.805	0.005	0.1	0.0000	0.0000	OK
1440 minute winter	SW28	660	12.399	0.021	0.7	0.0183	0.0000	OK
1440 minute winter	SW29	630	12.843	0.013	0.2	0.0000	0.0000	OK
1440 minute winter	SW30	660	12.363	0.021	0.7	0.0180	0.0000	OK
1440 minute winter	SW31	1110	12.211	0.553	0.7	0.0000	0.0000	OK
1440 minute winter	SW32	1110	12.211	0.557	0.4	0.1575	0.0000	SURCHARGED
1440 minute winter	SW33	1380	11.581	0.012	0.2	0.0106	0.0000	OK
1440 minute winter	SW34	1410	13.666	0.316	1.1	30.4671	0.0000	FLOOD RISK
1440 minute winter	SW35	1380	11.431	0.012	0.2	0.0035	0.0000	OK
1440 minute winter	SW36	1380	11.358	0.012	0.2	0.0035	0.0000	OK
1440 minute winter	SW37	1320	11.200	0.016	0.4	0.0141	0.0000	OK
1440 minute winter	SW38	1320	13.117	0.447	0.9	20.0470	0.0000	FLOOD RISK
1440 minute winter	SW39	1140	12.715	0.415	0.7	16.1532	0.0000	FLOOD RISK
1440 minute winter	SW40	1170	10.239	0.001	1.5	0.0007	0.0000	OK
1440 minute winter	SW41	1140	12.545	0.325	0.7	15.7854	0.0000	FLOOD RISK
1440 minute winter	SW42	630	12.831	0.011	0.2	0.0000	0.0000	OK
1440 minute winter	SW43	630	12.313	0.013	0.2	0.0036	0.0000	OK
1440 minute winter	SW44	630	12.223	0.013	0.2	0.0035	0.0000	OK
1440 minute winter	SW45	630	12.175	0.016	0.3	0.0044	0.0000	OK
1440 minute winter	SW46	690	12.053	0.015	0.4	0.0043	0.0000	OK
1440 minute winter	SW47	690	11.170	0.025	0.8	0.0070	0.0000	OK
1440 minute winter	SW48	570	11.909	0.009	0.1	0.0000	0.0000	OK
1440 minute winter	SW49	510	11.909	0.009	0.1	0.0000	0.0000	OK
1440 minute winter	SW50	690	11.814	0.013	0.2	0.0021	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	SW26	6.002	SW28	0.5	0.439	0.083	0.0070	
1440 minute winter	SW27	7.000	SW26	0.1	0.204	0.005	0.0024	
1440 minute winter	SW28	6.003	SW30	0.7	0.470	0.039	0.0054	
1440 minute winter	SW29	8.000	SW28	0.2	0.353	0.033	0.0028	
1440 minute winter	SW30	6.004	SW31	0.7	0.483	0.039	0.0056	
1440 minute winter	SW31	Flow through Pond	SW32	0.4	0.001	0.000	17.9186	
1440 minute winter	SW32	6.005	SW33	0.1	0.303	0.021	0.0015	
1440 minute winter	SW33	6.006	SW35	0.2	0.351	0.013	0.0102	
1440 minute winter	SW34	9.000	SW33	0.1	0.376	0.014	0.0005	
1440 minute winter	SW35	6.007	SW36	0.2	0.352	0.013	0.0050	
1440 minute winter	SW36	6.008	SW37	0.2	0.283	0.013	0.0138	
1440 minute winter	SW37	6.009	SW23	0.4	0.313	0.025	0.0248	
1440 minute winter	SW38	10.000	SW37	0.2	0.437	0.023	0.0006	
1440 minute winter	SW39	11.000	SW23	0.1	0.366	0.013	0.0004	
1440 minute winter	SW40	Pump		1.5				106.2
1440 minute winter	SW41	12.000	SW40	0.1	0.378	0.014	0.0007	
1440 minute winter	SW42	13.000	SW43	0.2	0.451	0.023	0.0016	
1440 minute winter	SW43	13.001	SW44	0.2	0.353	0.033	0.0051	
1440 minute winter	SW44	13.002	SW45	0.2	0.304	0.033	0.0035	
1440 minute winter	SW45	13.003	SW46	0.3	0.429	0.050	0.0091	
1440 minute winter	SW46	13.004	SW47	0.4	0.530	0.050	0.0106	
1440 minute winter	SW47	17.000	SW55	0.8	0.518	0.133	0.0229	
1440 minute winter	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
1440 minute winter	SW49	15.000	SW50	0.1	0.282	0.017	0.0046	
1440 minute winter	SW50	15.001	SW51	0.2	0.386	0.033	0.0067	

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Results for 30 year +45% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	SW51	690	11.683	0.011	0.2	0.0017	0.0000	OK
1440 minute winter	SW52	690	11.215	0.015	0.3	0.0043	0.0000	OK
1440 minute winter	SW53	480	11.909	0.009	0.1	0.0000	0.0000	OK
1440 minute winter	SW54	480	11.280	0.009	0.1	0.0026	0.0000	OK
1440 minute winter	SW55	690	11.023	0.026	0.8	0.0018	0.0000	OK
1440 minute winter	SW56	1050	10.797	0.503	0.8	0.0000	0.0000	OK
1440 minute winter	SW57	1050	10.797	0.513	0.5	0.1452	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	SW51	15.002	SW52	0.2	0.337	0.024	0.0148	
1440 minute winter	SW52	15.003	SW47	0.3	0.272	0.050	0.0063	
1440 minute winter	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
1440 minute winter	SW54	16.001	SW52	0.1	0.285	0.017	0.0039	
1440 minute winter	SW55	17.001	SW56	0.8	0.523	0.133	0.0019	
1440 minute winter	SW56	Flow through Pond	SW57	0.5	0.001	0.000	17.3789	
1440 minute winter	SW57	17.002	SW40	0.1	0.571	0.020	0.0015	

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Results for 30 year +45% CC 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	SW1	2160	13.326	0.436	2.5	70.4093	0.0000	FLOOD RISK
2160 minute summer	SW2	2160	12.593	0.011	0.2	0.0032	0.0000	OK
2160 minute summer	SW3	2160	12.455	0.011	0.2	0.0030	0.0000	OK
2160 minute summer	SW4	1560	12.243	0.014	0.3	0.0000	0.0000	OK
2160 minute summer	SW5	1140	13.115	0.015	0.3	0.0000	0.0000	OK
2160 minute summer	SW6	1140	13.047	0.015	0.3	0.0024	0.0000	OK
2160 minute summer	SW7	1140	12.959	0.016	0.3	0.0011	0.0000	OK
2160 minute summer	SW8	1440	12.686	0.431	0.3	0.0000	0.0000	OK
2160 minute summer	SW9	1440	12.686	0.443	0.3	0.1255	0.0000	SURCHARGED
2160 minute summer	SW10	1140	13.128	0.008	0.2	0.0000	0.0000	OK
2160 minute summer	SW11	1440	12.686	0.431	0.2	0.0000	0.0000	OK
2160 minute summer	SW12	1560	11.887	0.014	0.3	0.0039	0.0000	OK
2160 minute summer	SW13	1560	11.647	0.018	0.6	0.0154	0.0000	OK
2160 minute summer	SW14	1440	13.428	0.308	0.5	10.7512	0.0000	FLOOD RISK
2160 minute summer	SW15	1440	12.902	0.010	0.1	0.0027	0.0000	OK
2160 minute summer	SW16	1440	12.832	0.010	0.1	0.0027	0.0000	OK
2160 minute summer	SW17	2040	12.687	0.010	0.2	0.0089	0.0000	OK
2160 minute summer	SW18	2160	13.216	0.346	2.4	73.0081	0.0000	FLOOD RISK
2160 minute summer	SW19	1860	12.566	0.013	0.3	0.0035	0.0000	OK
2160 minute summer	SW20	1440	12.859	0.289	0.5	10.7487	0.0000	FLOOD RISK
2160 minute summer	SW21	1560	11.577	0.019	0.8	0.0053	0.0000	OK
2160 minute summer	SW22	1560	12.269	0.309	0.7	18.5117	0.0000	FLOOD RISK
2160 minute summer	SW23	1560	11.033	0.024	1.3	0.0067	0.0000	OK
2160 minute summer	SW24	1140	12.860	0.020	0.5	0.0000	0.0000	OK
2160 minute summer	SW25	1140	12.676	0.019	0.5	0.0055	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	SW1	1.000	SW2	0.2	0.329	0.011	0.0183	
2160 minute summer	SW2	1.001	SW3	0.2	0.343	0.011	0.0079	
2160 minute summer	SW3	1.002	SW4	0.2	0.306	0.010	0.0110	
2160 minute summer	SW4	1.008	SW12	0.3	0.381	0.017	0.0282	
2160 minute summer	SW5	1.003	SW6	0.3	0.399	0.050	0.0051	
2160 minute summer	SW6	1.004	SW7	0.3	0.387	0.050	0.0069	
2160 minute summer	SW7	1.005	SW8	0.3	0.385	0.050	0.0008	
2160 minute summer	SW8	Flow through Pond	SW9	0.3	0.002	0.000	7.4788	
2160 minute summer	SW9	1.007	SW4	0.1	0.223	0.018	0.0007	
2160 minute summer	SW10	1.006	SW11	0.2	0.638	0.014	0.0010	
2160 minute summer	SW11	Flow through Pond	SW9	0.3	0.002	0.000	7.4788	
2160 minute summer	SW12	1.009	SW13	0.3	0.309	0.017	0.0239	
2160 minute summer	SW13	1.010	SW21	0.6	0.428	0.012	0.0107	
2160 minute summer	SW14	2.000	SW15	0.1	0.298	0.019	0.0087	
2160 minute summer	SW15	2.001	SW16	0.1	0.299	0.019	0.0027	
2160 minute summer	SW16	2.002	SW17	0.1	0.287	0.019	0.0058	
2160 minute summer	SW17	2.003	SW19	0.2	0.385	0.009	0.0036	
2160 minute summer	SW18	3.000	SW17	0.1	0.355	0.005	0.0004	
2160 minute summer	SW19	2.004	SW13	0.3	0.497	0.014	0.0036	
2160 minute summer	SW20	4.000	SW19	0.1	0.239	0.018	0.0008	
2160 minute summer	SW21	1.011	SW23	0.8	0.404	0.014	0.0955	
2160 minute summer	SW22	5.000	SW21	0.1	0.191	0.012	0.0096	
2160 minute summer	SW23	6.010	SW40	1.3	0.593	0.022	0.0182	
2160 minute summer	SW24	6.000	SW25	0.5	0.466	0.083	0.0196	
2160 minute summer	SW25	6.001	SW26	0.5	0.436	0.083	0.0249	

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Results for 30 year +45% CC 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	SW26	1140	12.461	0.021	0.6	0.0000	0.0000	OK
2160 minute summer	SW27	1020	12.805	0.005	0.1	0.0000	0.0000	OK
2160 minute summer	SW28	1140	12.401	0.023	0.8	0.0196	0.0000	OK
2160 minute summer	SW29	1080	12.843	0.013	0.2	0.0000	0.0000	OK
2160 minute summer	SW30	1140	12.364	0.022	0.8	0.0192	0.0000	OK
2160 minute summer	SW31	1500	12.211	0.553	0.8	0.0000	0.0000	OK
2160 minute summer	SW32	1500	12.211	0.557	0.5	0.1576	0.0000	SURCHARGED
2160 minute summer	SW33	1680	11.581	0.012	0.2	0.0106	0.0000	OK
2160 minute summer	SW34	1740	13.663	0.313	1.1	30.1591	0.0000	FLOOD RISK
2160 minute summer	SW35	1680	11.431	0.012	0.2	0.0035	0.0000	OK
2160 minute summer	SW36	1680	11.358	0.012	0.2	0.0035	0.0000	OK
2160 minute summer	SW37	1560	11.200	0.016	0.4	0.0140	0.0000	OK
2160 minute summer	SW38	1560	13.081	0.411	0.9	18.4149	0.0000	SURCHARGED
2160 minute summer	SW39	1500	12.709	0.409	0.7	15.8956	0.0000	FLOOD RISK
2160 minute summer	SW40	1560	10.239	0.001	1.5	0.0007	0.0000	OK
2160 minute summer	SW41	1500	12.539	0.319	0.7	15.4680	0.0000	FLOOD RISK
2160 minute summer	SW42	1080	12.831	0.011	0.2	0.0000	0.0000	OK
2160 minute summer	SW43	1080	12.313	0.013	0.2	0.0036	0.0000	OK
2160 minute summer	SW44	1080	12.223	0.013	0.2	0.0035	0.0000	OK
2160 minute summer	SW45	1200	12.175	0.016	0.3	0.0044	0.0000	OK
2160 minute summer	SW46	1140	12.053	0.015	0.4	0.0043	0.0000	OK
2160 minute summer	SW47	1140	11.171	0.026	0.9	0.0074	0.0000	OK
2160 minute summer	SW48	1020	11.909	0.009	0.1	0.0000	0.0000	OK
2160 minute summer	SW49	960	11.909	0.009	0.1	0.0000	0.0000	OK
2160 minute summer	SW50	1140	11.814	0.013	0.2	0.0021	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	SW26	6.002	SW28	0.6	0.470	0.099	0.0079	
2160 minute summer	SW27	7.000	SW26	0.1	0.202	0.005	0.0027	
2160 minute summer	SW28	6.003	SW30	0.8	0.487	0.045	0.0059	
2160 minute summer	SW29	8.000	SW28	0.2	0.353	0.033	0.0028	
2160 minute summer	SW30	6.004	SW31	0.8	0.502	0.045	0.0061	
2160 minute summer	SW31	Flow through Pond	SW32	0.5	0.001	0.000	17.9309	
2160 minute summer	SW32	6.005	SW33	0.1	0.303	0.021	0.0015	
2160 minute summer	SW33	6.006	SW35	0.2	0.351	0.013	0.0102	
2160 minute summer	SW34	9.000	SW33	0.1	0.375	0.013	0.0005	
2160 minute summer	SW35	6.007	SW36	0.2	0.351	0.013	0.0050	
2160 minute summer	SW36	6.008	SW37	0.2	0.286	0.013	0.0137	
2160 minute summer	SW37	6.009	SW23	0.4	0.310	0.024	0.0245	
2160 minute summer	SW38	10.000	SW37	0.2	0.431	0.022	0.0006	
2160 minute summer	SW39	11.000	SW23	0.1	0.365	0.012	0.0004	
2160 minute summer	SW40	Pump		1.5				143.4
2160 minute summer	SW41	12.000	SW40	0.1	0.377	0.014	0.0007	
2160 minute summer	SW42	13.000	SW43	0.2	0.451	0.023	0.0016	
2160 minute summer	SW43	13.001	SW44	0.2	0.353	0.033	0.0051	
2160 minute summer	SW44	13.002	SW45	0.2	0.304	0.033	0.0035	
2160 minute summer	SW45	13.003	SW46	0.3	0.429	0.050	0.0091	
2160 minute summer	SW46	13.004	SW47	0.4	0.530	0.050	0.0106	
2160 minute summer	SW47	17.000	SW55	0.9	0.534	0.149	0.0250	
2160 minute summer	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
2160 minute summer	SW49	15.000	SW50	0.1	0.282	0.017	0.0046	
2160 minute summer	SW50	15.001	SW51	0.2	0.386	0.033	0.0067	

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Results for 30 year +45% CC 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	SW51	1140	11.683	0.011	0.2	0.0017	0.0000	OK
2160 minute summer	SW52	1140	11.218	0.018	0.4	0.0050	0.0000	OK
2160 minute summer	SW53	1140	11.913	0.013	0.2	0.0000	0.0000	OK
2160 minute summer	SW54	1140	11.284	0.013	0.2	0.0035	0.0000	OK
2160 minute summer	SW55	1140	11.024	0.027	0.9	0.0019	0.0000	OK
2160 minute summer	SW56	1440	10.758	0.465	0.9	0.0000	0.0000	OK
2160 minute summer	SW57	1440	10.759	0.475	0.5	0.1343	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	SW51	15.002	SW52	0.2	0.298	0.024	0.0168	
2160 minute summer	SW52	15.003	SW47	0.4	0.316	0.066	0.0071	
2160 minute summer	SW53	16.000	SW54	0.2	0.352	0.033	0.0019	
2160 minute summer	SW54	16.001	SW52	0.2	0.286	0.033	0.0053	
2160 minute summer	SW55	17.001	SW56	0.9	0.541	0.149	0.0021	
2160 minute summer	SW56	Flow through Pond	SW57	0.5	0.004	0.000	16.0635	
2160 minute summer	SW57	17.002	SW40	0.1	0.563	0.019	0.0014	

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Results for 30 year +45% CC 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	SW1	2100	13.341	0.451	1.7	72.7847	0.0000	FLOOD RISK
2160 minute winter	SW2	2100	12.593	0.011	0.2	0.0032	0.0000	OK
2160 minute winter	SW3	2100	12.455	0.011	0.2	0.0030	0.0000	OK
2160 minute winter	SW4	1680	12.243	0.014	0.3	0.0000	0.0000	OK
2160 minute winter	SW5	1020	13.113	0.013	0.2	0.0000	0.0000	OK
2160 minute winter	SW6	1020	13.045	0.013	0.2	0.0020	0.0000	OK
2160 minute winter	SW7	1020	12.956	0.013	0.2	0.0009	0.0000	OK
2160 minute winter	SW8	1560	12.696	0.441	0.2	0.0000	0.0000	OK
2160 minute winter	SW9	1560	12.696	0.453	0.3	0.1282	0.0000	SURCHARGED
2160 minute winter	SW10	780	13.126	0.006	0.1	0.0000	0.0000	OK
2160 minute winter	SW11	1560	12.696	0.441	0.1	0.0000	0.0000	OK
2160 minute winter	SW12	1680	11.887	0.014	0.3	0.0039	0.0000	OK
2160 minute winter	SW13	1680	11.647	0.018	0.6	0.0155	0.0000	OK
2160 minute winter	SW14	1560	13.442	0.322	0.4	11.2404	0.0000	FLOOD RISK
2160 minute winter	SW15	1560	12.902	0.010	0.1	0.0028	0.0000	OK
2160 minute winter	SW16	1560	12.832	0.010	0.1	0.0027	0.0000	OK
2160 minute winter	SW17	2040	12.687	0.010	0.2	0.0090	0.0000	OK
2160 minute winter	SW18	2160	13.227	0.357	1.6	75.2888	0.0000	FLOOD RISK
2160 minute winter	SW19	2040	12.566	0.013	0.3	0.0036	0.0000	OK
2160 minute winter	SW20	1500	12.844	0.274	0.3	10.1961	0.0000	FLOOD RISK
2160 minute winter	SW21	1680	11.577	0.019	0.8	0.0053	0.0000	OK
2160 minute winter	SW22	1620	12.255	0.295	0.5	17.7015	0.0000	FLOOD RISK
2160 minute winter	SW23	1680	11.033	0.024	1.3	0.0067	0.0000	OK
2160 minute winter	SW24	1020	12.855	0.015	0.3	0.0000	0.0000	OK
2160 minute winter	SW25	1020	12.672	0.015	0.3	0.0043	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	SW1	1.000	SW2	0.2	0.331	0.011	0.0185	
2160 minute winter	SW2	1.001	SW3	0.2	0.345	0.011	0.0079	
2160 minute winter	SW3	1.002	SW4	0.2	0.305	0.010	0.0112	
2160 minute winter	SW4	1.008	SW12	0.3	0.383	0.017	0.0286	
2160 minute winter	SW5	1.003	SW6	0.2	0.354	0.033	0.0038	
2160 minute winter	SW6	1.004	SW7	0.2	0.345	0.033	0.0051	
2160 minute winter	SW7	1.005	SW8	0.2	0.343	0.033	0.0006	
2160 minute winter	SW8	Flow through Pond	SW9	0.3	0.002	0.000	7.6429	
2160 minute winter	SW9	1.007	SW4	0.1	0.223	0.019	0.0007	
2160 minute winter	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
2160 minute winter	SW11	Flow through Pond	SW9	0.3	0.002	0.000	7.6429	
2160 minute winter	SW12	1.009	SW13	0.3	0.312	0.017	0.0242	
2160 minute winter	SW13	1.010	SW21	0.6	0.430	0.012	0.0107	
2160 minute winter	SW14	2.000	SW15	0.1	0.300	0.019	0.0088	
2160 minute winter	SW15	2.001	SW16	0.1	0.301	0.019	0.0027	
2160 minute winter	SW16	2.002	SW17	0.1	0.289	0.019	0.0059	
2160 minute winter	SW17	2.003	SW19	0.2	0.389	0.009	0.0037	
2160 minute winter	SW18	3.000	SW17	0.1	0.356	0.005	0.0004	
2160 minute winter	SW19	2.004	SW13	0.3	0.498	0.014	0.0036	
2160 minute winter	SW20	4.000	SW19	0.1	0.234	0.018	0.0008	
2160 minute winter	SW21	1.011	SW23	0.8	0.405	0.014	0.0958	
2160 minute winter	SW22	5.000	SW21	0.1	0.186	0.011	0.0096	
2160 minute winter	SW23	6.010	SW40	1.3	0.594	0.022	0.0183	
2160 minute winter	SW24	6.000	SW25	0.3	0.402	0.050	0.0137	
2160 minute winter	SW25	6.001	SW26	0.3	0.360	0.050	0.0181	

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Results for 30 year +45% CC 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	SW26	1020	12.458	0.018	0.4	0.0000	0.0000	OK
2160 minute winter	SW27	1020	12.805	0.005	0.1	0.0000	0.0000	OK
2160 minute winter	SW28	1020	12.396	0.018	0.5	0.0155	0.0000	OK
2160 minute winter	SW29	720	12.839	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	SW30	1020	12.360	0.018	0.5	0.0153	0.0000	OK
2160 minute winter	SW31	1620	12.180	0.521	0.5	0.0000	0.0000	OK
2160 minute winter	SW32	1620	12.179	0.525	0.3	0.1487	0.0000	SURCHARGED
2160 minute winter	SW33	1740	11.581	0.012	0.2	0.0106	0.0000	OK
2160 minute winter	SW34	1800	13.668	0.318	0.8	30.6057	0.0000	FLOOD RISK
2160 minute winter	SW35	1740	11.431	0.012	0.2	0.0035	0.0000	OK
2160 minute winter	SW36	1740	11.358	0.012	0.2	0.0035	0.0000	OK
2160 minute winter	SW37	1620	11.200	0.016	0.4	0.0140	0.0000	OK
2160 minute winter	SW38	1620	13.084	0.414	0.6	18.5783	0.0000	SURCHARGED
2160 minute winter	SW39	1620	12.721	0.421	0.5	16.3702	0.0000	FLOOD RISK
2160 minute winter	SW40	1620	10.239	0.001	1.5	0.0007	0.0000	OK
2160 minute winter	SW41	1620	12.547	0.327	0.5	15.8731	0.0000	FLOOD RISK
2160 minute winter	SW42	720	12.828	0.008	0.1	0.0000	0.0000	OK
2160 minute winter	SW43	840	12.309	0.009	0.1	0.0026	0.0000	OK
2160 minute winter	SW44	720	12.219	0.009	0.1	0.0026	0.0000	OK
2160 minute winter	SW45	900	12.172	0.013	0.2	0.0036	0.0000	OK
2160 minute winter	SW46	900	12.049	0.011	0.2	0.0031	0.0000	OK
2160 minute winter	SW47	1020	11.165	0.020	0.5	0.0055	0.0000	OK
2160 minute winter	SW48	1020	11.909	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	SW49	900	11.909	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	SW50	900	11.810	0.009	0.1	0.0015	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	SW26	6.002	SW28	0.4	0.428	0.066	0.0058	
2160 minute winter	SW27	7.000	SW26	0.1	0.202	0.005	0.0021	
2160 minute winter	SW28	6.003	SW30	0.5	0.427	0.028	0.0042	
2160 minute winter	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
2160 minute winter	SW30	6.004	SW31	0.5	0.437	0.028	0.0044	
2160 minute winter	SW31	Flow through Pond	SW32	0.3	0.001	0.000	16.9114	
2160 minute winter	SW32	6.005	SW33	0.1	0.300	0.020	0.0014	
2160 minute winter	SW33	6.006	SW35	0.2	0.350	0.013	0.0101	
2160 minute winter	SW34	9.000	SW33	0.1	0.376	0.014	0.0005	
2160 minute winter	SW35	6.007	SW36	0.2	0.350	0.013	0.0049	
2160 minute winter	SW36	6.008	SW37	0.2	0.285	0.013	0.0136	
2160 minute winter	SW37	6.009	SW23	0.4	0.309	0.024	0.0245	
2160 minute winter	SW38	10.000	SW37	0.2	0.432	0.022	0.0006	
2160 minute winter	SW39	11.000	SW23	0.1	0.367	0.013	0.0004	
2160 minute winter	SW40	Pump		1.5				145.8
2160 minute winter	SW41	12.000	SW40	0.1	0.379	0.014	0.0007	
2160 minute winter	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
2160 minute winter	SW43	13.001	SW44	0.1	0.287	0.017	0.0032	
2160 minute winter	SW44	13.002	SW45	0.1	0.281	0.017	0.0024	
2160 minute winter	SW45	13.003	SW46	0.2	0.380	0.033	0.0064	
2160 minute winter	SW46	13.004	SW47	0.2	0.431	0.025	0.0065	
2160 minute winter	SW47	17.000	SW55	0.5	0.455	0.083	0.0163	
2160 minute winter	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
2160 minute winter	SW49	15.000	SW50	0.1	0.282	0.017	0.0035	
2160 minute winter	SW50	15.001	SW51	0.1	0.314	0.017	0.0041	

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Results for 30 year +45% CC 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	SW51	900	11.680	0.008	0.1	0.0012	0.0000	OK
2160 minute winter	SW52	900	11.213	0.013	0.2	0.0035	0.0000	OK
2160 minute winter	SW53	840	11.909	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	SW54	840	11.280	0.009	0.1	0.0026	0.0000	OK
2160 minute winter	SW55	1020	11.017	0.020	0.5	0.0014	0.0000	OK
2160 minute winter	SW56	1500	10.730	0.436	0.5	0.0000	0.0000	OK
2160 minute winter	SW57	1500	10.730	0.446	0.3	0.1263	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	SW51	15.002	SW52	0.1	0.242	0.012	0.0104	
2160 minute winter	SW52	15.003	SW47	0.2	0.272	0.033	0.0046	
2160 minute winter	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
2160 minute winter	SW54	16.001	SW52	0.1	0.286	0.017	0.0032	
2160 minute winter	SW55	17.001	SW56	0.5	0.459	0.083	0.0014	
2160 minute winter	SW56	Flow through Pond	SW57	0.3	0.004	0.000	15.0950	
2160 minute winter	SW57	17.002	SW40	0.1	0.559	0.018	0.0014	

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Results for 30 year +45% CC 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	SW1	2880	13.334	0.444	2.0	71.6772	0.0000	FLOOD RISK
2880 minute summer	SW2	2880	12.593	0.011	0.2	0.0032	0.0000	OK
2880 minute summer	SW3	2880	12.455	0.011	0.2	0.0030	0.0000	OK
2880 minute summer	SW4	1980	12.243	0.014	0.3	0.0000	0.0000	OK
2880 minute summer	SW5	1380	13.113	0.013	0.2	0.0000	0.0000	OK
2880 minute summer	SW6	1380	13.045	0.013	0.2	0.0020	0.0000	OK
2880 minute summer	SW7	1380	12.956	0.013	0.2	0.0009	0.0000	OK
2880 minute summer	SW8	1860	12.692	0.437	0.2	0.0000	0.0000	OK
2880 minute summer	SW9	1860	12.692	0.448	0.3	0.1269	0.0000	SURCHARGED
2880 minute summer	SW10	1500	13.128	0.008	0.2	0.0000	0.0000	OK
2880 minute summer	SW11	1860	12.692	0.437	0.2	0.0000	0.0000	OK
2880 minute summer	SW12	1980	11.887	0.014	0.3	0.0039	0.0000	OK
2880 minute summer	SW13	1980	11.647	0.018	0.6	0.0154	0.0000	OK
2880 minute summer	SW14	1860	13.426	0.306	0.4	10.6885	0.0000	FLOOD RISK
2880 minute summer	SW15	1860	12.902	0.010	0.1	0.0027	0.0000	OK
2880 minute summer	SW16	1860	12.832	0.010	0.1	0.0027	0.0000	OK
2880 minute summer	SW17	2400	12.687	0.010	0.2	0.0089	0.0000	OK
2880 minute summer	SW18	2880	13.229	0.359	1.9	75.7303	0.0000	FLOOD RISK
2880 minute summer	SW19	2280	12.565	0.012	0.3	0.0035	0.0000	OK
2880 minute summer	SW20	1860	12.837	0.267	0.4	9.9332	0.0000	FLOOD RISK
2880 minute summer	SW21	1980	11.577	0.019	0.8	0.0053	0.0000	OK
2880 minute summer	SW22	1920	12.251	0.291	0.6	17.4358	0.0000	FLOOD RISK
2880 minute summer	SW23	1980	11.033	0.024	1.3	0.0067	0.0000	OK
2880 minute summer	SW24	1500	12.858	0.018	0.4	0.0000	0.0000	OK
2880 minute summer	SW25	1500	12.674	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	SW1	1.000	SW2	0.2	0.330	0.011	0.0184	
2880 minute summer	SW2	1.001	SW3	0.2	0.344	0.011	0.0079	
2880 minute summer	SW3	1.002	SW4	0.2	0.313	0.010	0.0111	
2880 minute summer	SW4	1.008	SW12	0.3	0.382	0.017	0.0284	
2880 minute summer	SW5	1.003	SW6	0.2	0.354	0.033	0.0038	
2880 minute summer	SW6	1.004	SW7	0.2	0.345	0.033	0.0051	
2880 minute summer	SW7	1.005	SW8	0.2	0.343	0.033	0.0006	
2880 minute summer	SW8	Flow through Pond	SW9	0.3	0.002	0.000	7.5659	
2880 minute summer	SW9	1.007	SW4	0.1	0.223	0.019	0.0007	
2880 minute summer	SW10	1.006	SW11	0.2	0.638	0.014	0.0010	
2880 minute summer	SW11	Flow through Pond	SW9	0.3	0.002	0.000	7.5659	
2880 minute summer	SW12	1.009	SW13	0.3	0.311	0.017	0.0240	
2880 minute summer	SW13	1.010	SW21	0.6	0.429	0.012	0.0107	
2880 minute summer	SW14	2.000	SW15	0.1	0.298	0.019	0.0087	
2880 minute summer	SW15	2.001	SW16	0.1	0.298	0.019	0.0027	
2880 minute summer	SW16	2.002	SW17	0.1	0.286	0.019	0.0058	
2880 minute summer	SW17	2.003	SW19	0.2	0.388	0.009	0.0036	
2880 minute summer	SW18	3.000	SW17	0.1	0.357	0.005	0.0004	
2880 minute summer	SW19	2.004	SW13	0.3	0.496	0.013	0.0035	
2880 minute summer	SW20	4.000	SW19	0.1	0.233	0.018	0.0008	
2880 minute summer	SW21	1.011	SW23	0.8	0.403	0.014	0.0951	
2880 minute summer	SW22	5.000	SW21	0.1	0.192	0.011	0.0096	
2880 minute summer	SW23	6.010	SW40	1.3	0.593	0.022	0.0182	
2880 minute summer	SW24	6.000	SW25	0.4	0.437	0.066	0.0168	
2880 minute summer	SW25	6.001	SW26	0.4	0.403	0.066	0.0216	

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Results for 30 year +45% CC 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	SW26	1500	12.459	0.019	0.5	0.0000	0.0000	OK
2880 minute summer	SW27	1380	12.805	0.005	0.1	0.0000	0.0000	OK
2880 minute summer	SW28	1500	12.399	0.021	0.7	0.0183	0.0000	OK
2880 minute summer	SW29	1500	12.843	0.013	0.2	0.0000	0.0000	OK
2880 minute summer	SW30	1500	12.363	0.021	0.7	0.0180	0.0000	OK
2880 minute summer	SW31	1920	12.168	0.510	0.7	0.0000	0.0000	OK
2880 minute summer	SW32	1920	12.168	0.514	0.4	0.1454	0.0000	SURCHARGED
2880 minute summer	SW33	2100	11.581	0.012	0.2	0.0105	0.0000	OK
2880 minute summer	SW34	2100	13.654	0.304	0.9	29.2620	0.0000	FLOOD RISK
2880 minute summer	SW35	2100	11.431	0.012	0.2	0.0035	0.0000	OK
2880 minute summer	SW36	2100	11.358	0.012	0.2	0.0034	0.0000	OK
2880 minute summer	SW37	1980	11.200	0.016	0.4	0.0138	0.0000	OK
2880 minute summer	SW38	1980	13.069	0.399	0.7	17.8955	0.0000	SURCHARGED
2880 minute summer	SW39	1920	12.745	0.445	0.6	17.3166	0.0000	FLOOD RISK
2880 minute summer	SW40	1920	10.239	0.001	1.5	0.0007	0.0000	OK
2880 minute summer	SW41	1920	12.565	0.345	0.6	16.7676	0.0000	FLOOD RISK
2880 minute summer	SW42	1500	12.831	0.011	0.2	0.0000	0.0000	OK
2880 minute summer	SW43	1500	12.313	0.013	0.2	0.0036	0.0000	OK
2880 minute summer	SW44	1500	12.223	0.013	0.2	0.0035	0.0000	OK
2880 minute summer	SW45	1500	12.174	0.015	0.3	0.0043	0.0000	OK
2880 minute summer	SW46	1500	12.053	0.015	0.4	0.0043	0.0000	OK
2880 minute summer	SW47	1500	11.170	0.025	0.8	0.0070	0.0000	OK
2880 minute summer	SW48	1380	11.909	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	SW49	1320	11.909	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	SW50	1500	11.814	0.013	0.2	0.0021	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	SW26	6.002	SW28	0.5	0.439	0.083	0.0070	
2880 minute summer	SW27	7.000	SW26	0.1	0.202	0.005	0.0024	
2880 minute summer	SW28	6.003	SW30	0.7	0.470	0.039	0.0054	
2880 minute summer	SW29	8.000	SW28	0.2	0.353	0.033	0.0028	
2880 minute summer	SW30	6.004	SW31	0.7	0.483	0.039	0.0056	
2880 minute summer	SW31	Flow through Pond	SW32	0.4	0.001	0.000	16.5354	
2880 minute summer	SW32	6.005	SW33	0.1	0.299	0.020	0.0014	
2880 minute summer	SW33	6.006	SW35	0.2	0.348	0.013	0.0100	
2880 minute summer	SW34	9.000	SW33	0.1	0.373	0.013	0.0005	
2880 minute summer	SW35	6.007	SW36	0.2	0.348	0.013	0.0049	
2880 minute summer	SW36	6.008	SW37	0.2	0.283	0.013	0.0135	
2880 minute summer	SW37	6.009	SW23	0.4	0.307	0.024	0.0243	
2880 minute summer	SW38	10.000	SW37	0.2	0.430	0.022	0.0006	
2880 minute summer	SW39	11.000	SW23	0.1	0.370	0.013	0.0004	
2880 minute summer	SW40	Pump		1.5				181.4
2880 minute summer	SW41	12.000	SW40	0.1	0.382	0.014	0.0007	
2880 minute summer	SW42	13.000	SW43	0.2	0.451	0.023	0.0016	
2880 minute summer	SW43	13.001	SW44	0.2	0.353	0.033	0.0051	
2880 minute summer	SW44	13.002	SW45	0.2	0.304	0.033	0.0034	
2880 minute summer	SW45	13.003	SW46	0.3	0.397	0.050	0.0091	
2880 minute summer	SW46	13.004	SW47	0.4	0.530	0.050	0.0106	
2880 minute summer	SW47	17.000	SW55	0.8	0.518	0.133	0.0229	
2880 minute summer	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
2880 minute summer	SW49	15.000	SW50	0.1	0.282	0.017	0.0046	
2880 minute summer	SW50	15.001	SW51	0.2	0.386	0.033	0.0067	

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Results for 30 year +45% CC 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	SW51	1500	11.683	0.011	0.2	0.0017	0.0000	OK
2880 minute summer	SW52	1500	11.215	0.015	0.3	0.0043	0.0000	OK
2880 minute summer	SW53	1260	11.909	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	SW54	1260	11.280	0.009	0.1	0.0026	0.0000	OK
2880 minute summer	SW55	1500	11.023	0.026	0.8	0.0018	0.0000	OK
2880 minute summer	SW56	1800	10.726	0.433	0.8	0.0000	0.0000	OK
2880 minute summer	SW57	1800	10.727	0.443	0.4	0.1253	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	SW51	15.002	SW52	0.2	0.337	0.024	0.0148	
2880 minute summer	SW52	15.003	SW47	0.3	0.271	0.050	0.0063	
2880 minute summer	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
2880 minute summer	SW54	16.001	SW52	0.1	0.286	0.017	0.0039	
2880 minute summer	SW55	17.001	SW56	0.8	0.523	0.133	0.0019	
2880 minute summer	SW56	Flow through Pond	SW57	0.4	0.004	0.000	14.9707	
2880 minute summer	SW57	17.002	SW40	0.1	0.556	0.018	0.0014	

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Results for 30 year +45% CC 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	SW1	2760	13.327	0.437	1.4	70.5049	0.0000	FLOOD RISK
2880 minute winter	SW2	2760	12.593	0.011	0.2	0.0032	0.0000	OK
2880 minute winter	SW3	2760	12.455	0.011	0.2	0.0030	0.0000	OK
2880 minute winter	SW4	2100	12.243	0.014	0.3	0.0000	0.0000	OK
2880 minute winter	SW5	1500	13.113	0.013	0.2	0.0000	0.0000	OK
2880 minute winter	SW6	1500	13.045	0.013	0.2	0.0020	0.0000	OK
2880 minute winter	SW7	1500	12.956	0.013	0.2	0.0009	0.0000	OK
2880 minute winter	SW8	1980	12.670	0.415	0.2	0.0000	0.0000	OK
2880 minute winter	SW9	1980	12.670	0.427	0.3	0.1209	0.0000	SURCHARGED
2880 minute winter	SW10	1080	13.126	0.006	0.1	0.0000	0.0000	OK
2880 minute winter	SW11	1980	12.670	0.415	0.1	0.0000	0.0000	OK
2880 minute winter	SW12	2100	11.887	0.014	0.3	0.0039	0.0000	OK
2880 minute winter	SW13	2100	11.647	0.018	0.6	0.0153	0.0000	OK
2880 minute winter	SW14	1920	13.420	0.300	0.3	10.4682	0.0000	FLOOD RISK
2880 minute winter	SW15	1920	12.902	0.010	0.1	0.0027	0.0000	OK
2880 minute winter	SW16	1920	12.832	0.010	0.1	0.0027	0.0000	OK
2880 minute winter	SW17	2640	12.687	0.010	0.2	0.0089	0.0000	OK
2880 minute winter	SW18	2820	13.234	0.364	1.3	76.7135	0.0000	FLOOD RISK
2880 minute winter	SW19	2340	12.565	0.012	0.3	0.0035	0.0000	OK
2880 minute winter	SW20	1920	12.824	0.254	0.3	9.4199	0.0000	FLOOD RISK
2880 minute winter	SW21	2100	11.577	0.019	0.7	0.0052	0.0000	OK
2880 minute winter	SW22	2100	12.255	0.295	0.4	17.6979	0.0000	FLOOD RISK
2880 minute winter	SW23	2100	11.033	0.024	1.3	0.0067	0.0000	OK
2880 minute winter	SW24	1500	12.855	0.015	0.3	0.0000	0.0000	OK
2880 minute winter	SW25	1500	12.672	0.015	0.3	0.0043	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	SW1	1.000	SW2	0.2	0.329	0.011	0.0183	
2880 minute winter	SW2	1.001	SW3	0.2	0.344	0.011	0.0079	
2880 minute winter	SW3	1.002	SW4	0.2	0.310	0.010	0.0110	
2880 minute winter	SW4	1.008	SW12	0.3	0.380	0.017	0.0281	
2880 minute winter	SW5	1.003	SW6	0.2	0.354	0.033	0.0038	
2880 minute winter	SW6	1.004	SW7	0.2	0.345	0.033	0.0051	
2880 minute winter	SW7	1.005	SW8	0.2	0.343	0.033	0.0006	
2880 minute winter	SW8	Flow through Pond	SW9	0.3	0.002	0.000	7.2041	
2880 minute winter	SW9	1.007	SW4	0.1	0.220	0.018	0.0007	
2880 minute winter	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
2880 minute winter	SW11	Flow through Pond	SW9	0.3	0.002	0.000	7.2041	
2880 minute winter	SW12	1.009	SW13	0.3	0.310	0.017	0.0238	
2880 minute winter	SW13	1.010	SW21	0.6	0.427	0.012	0.0106	
2880 minute winter	SW14	2.000	SW15	0.1	0.297	0.019	0.0086	
2880 minute winter	SW15	2.001	SW16	0.1	0.297	0.019	0.0026	
2880 minute winter	SW16	2.002	SW17	0.1	0.284	0.019	0.0058	
2880 minute winter	SW17	2.003	SW19	0.2	0.393	0.009	0.0036	
2880 minute winter	SW18	3.000	SW17	0.1	0.357	0.005	0.0004	
2880 minute winter	SW19	2.004	SW13	0.3	0.495	0.013	0.0035	
2880 minute winter	SW20	4.000	SW19	0.1	0.230	0.017	0.0008	
2880 minute winter	SW21	1.011	SW23	0.7	0.403	0.014	0.0946	
2880 minute winter	SW22	5.000	SW21	0.1	0.190	0.011	0.0095	
2880 minute winter	SW23	6.010	SW40	1.3	0.591	0.022	0.0180	
2880 minute winter	SW24	6.000	SW25	0.3	0.402	0.050	0.0137	
2880 minute winter	SW25	6.001	SW26	0.3	0.360	0.050	0.0181	

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Results for 30 year +45% CC 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	SW26	1500	12.458	0.018	0.4	0.0000	0.0000	OK
2880 minute winter	SW27	1500	12.805	0.005	0.1	0.0000	0.0000	OK
2880 minute winter	SW28	1500	12.396	0.018	0.5	0.0155	0.0000	OK
2880 minute winter	SW29	1020	12.839	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	SW30	1500	12.360	0.018	0.5	0.0153	0.0000	OK
2880 minute winter	SW31	2040	12.128	0.470	0.5	0.0000	0.0000	OK
2880 minute winter	SW32	2040	12.128	0.474	0.3	0.1341	0.0000	SURCHARGED
2880 minute winter	SW33	2220	11.581	0.012	0.2	0.0105	0.0000	OK
2880 minute winter	SW34	2220	13.665	0.315	0.6	30.3168	0.0000	FLOOD RISK
2880 minute winter	SW35	2220	11.431	0.012	0.2	0.0034	0.0000	OK
2880 minute winter	SW36	2220	11.358	0.012	0.2	0.0034	0.0000	OK
2880 minute winter	SW37	2100	11.200	0.016	0.4	0.0138	0.0000	OK
2880 minute winter	SW38	2100	13.065	0.395	0.5	17.6799	0.0000	SURCHARGED
2880 minute winter	SW39	2040	12.722	0.422	0.4	16.4267	0.0000	FLOOD RISK
2880 minute winter	SW40	2100	10.239	0.001	1.5	0.0007	0.0000	OK
2880 minute winter	SW41	2040	12.546	0.326	0.4	15.8330	0.0000	FLOOD RISK
2880 minute winter	SW42	1020	12.828	0.008	0.1	0.0000	0.0000	OK
2880 minute winter	SW43	1200	12.309	0.009	0.1	0.0026	0.0000	OK
2880 minute winter	SW44	1020	12.219	0.009	0.1	0.0026	0.0000	OK
2880 minute winter	SW45	1260	12.172	0.013	0.2	0.0036	0.0000	OK
2880 minute winter	SW46	1260	12.049	0.011	0.2	0.0031	0.0000	OK
2880 minute winter	SW47	1500	11.165	0.020	0.5	0.0055	0.0000	OK
2880 minute winter	SW48	1500	11.909	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	SW49	1260	11.909	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	SW50	1260	11.810	0.009	0.1	0.0015	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	SW26	6.002	SW28	0.4	0.428	0.066	0.0058	
2880 minute winter	SW27	7.000	SW26	0.1	0.202	0.005	0.0021	
2880 minute winter	SW28	6.003	SW30	0.5	0.427	0.028	0.0042	
2880 minute winter	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
2880 minute winter	SW30	6.004	SW31	0.5	0.437	0.028	0.0044	
2880 minute winter	SW31	Flow through Pond	SW32	0.3	0.001	0.000	15.2502	
2880 minute winter	SW32	6.005	SW33	0.1	0.296	0.019	0.0014	
2880 minute winter	SW33	6.006	SW35	0.2	0.347	0.013	0.0099	
2880 minute winter	SW34	9.000	SW33	0.1	0.375	0.013	0.0005	
2880 minute winter	SW35	6.007	SW36	0.2	0.347	0.013	0.0048	
2880 minute winter	SW36	6.008	SW37	0.2	0.282	0.013	0.0134	
2880 minute winter	SW37	6.009	SW23	0.4	0.306	0.023	0.0241	
2880 minute winter	SW38	10.000	SW37	0.2	0.429	0.022	0.0006	
2880 minute winter	SW39	11.000	SW23	0.1	0.367	0.013	0.0004	
2880 minute winter	SW40	Pump		1.5				181.9
2880 minute winter	SW41	12.000	SW40	0.1	0.378	0.014	0.0007	
2880 minute winter	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
2880 minute winter	SW43	13.001	SW44	0.1	0.287	0.017	0.0032	
2880 minute winter	SW44	13.002	SW45	0.1	0.281	0.017	0.0024	
2880 minute winter	SW45	13.003	SW46	0.2	0.380	0.033	0.0064	
2880 minute winter	SW46	13.004	SW47	0.2	0.431	0.025	0.0065	
2880 minute winter	SW47	17.000	SW55	0.5	0.455	0.083	0.0163	
2880 minute winter	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
2880 minute winter	SW49	15.000	SW50	0.1	0.282	0.017	0.0035	
2880 minute winter	SW50	15.001	SW51	0.1	0.314	0.017	0.0041	

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Results for 30 year +45% CC 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	SW51	1260	11.680	0.008	0.1	0.0012	0.0000	OK
2880 minute winter	SW52	1260	11.213	0.013	0.2	0.0035	0.0000	OK
2880 minute winter	SW53	1140	11.909	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	SW54	1140	11.280	0.009	0.1	0.0026	0.0000	OK
2880 minute winter	SW55	1500	11.017	0.020	0.5	0.0014	0.0000	OK
2880 minute winter	SW56	1920	10.715	0.422	0.5	0.0000	0.0000	OK
2880 minute winter	SW57	1920	10.716	0.432	0.3	0.1222	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	SW51	15.002	SW52	0.1	0.242	0.012	0.0104	
2880 minute winter	SW52	15.003	SW47	0.2	0.272	0.033	0.0046	
2880 minute winter	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
2880 minute winter	SW54	16.001	SW52	0.1	0.287	0.017	0.0032	
2880 minute winter	SW55	17.001	SW56	0.5	0.459	0.083	0.0014	
2880 minute winter	SW56	Flow through Pond	SW57	0.3	0.004	0.000	14.5978	
2880 minute winter	SW57	17.002	SW40	0.1	0.562	0.018	0.0014	

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Results for 30 year +45% CC 4320 minute summer. 4560 minute analysis at 60 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	SW1	3900	13.341	0.451	1.5	72.8428	0.0000	FLOOD RISK
4320 minute summer	SW2	3900	12.593	0.011	0.2	0.0032	0.0000	OK
4320 minute summer	SW3	3900	12.455	0.011	0.2	0.0030	0.0000	OK
4320 minute summer	SW4	2820	12.243	0.014	0.3	0.0000	0.0000	OK
4320 minute summer	SW5	2160	13.113	0.013	0.2	0.0000	0.0000	OK
4320 minute summer	SW6	2160	13.045	0.013	0.2	0.0020	0.0000	OK
4320 minute summer	SW7	2160	12.956	0.013	0.2	0.0009	0.0000	OK
4320 minute summer	SW8	2640	12.673	0.418	0.2	0.0000	0.0000	OK
4320 minute summer	SW9	2640	12.673	0.430	0.2	0.1217	0.0000	SURCHARGED
4320 minute summer	SW10	1860	13.126	0.006	0.1	0.0000	0.0000	OK
4320 minute summer	SW11	2640	12.673	0.418	0.1	0.0000	0.0000	OK
4320 minute summer	SW12	2820	11.887	0.014	0.3	0.0039	0.0000	OK
4320 minute summer	SW13	2820	11.647	0.018	0.6	0.0153	0.0000	OK
4320 minute summer	SW14	2640	13.407	0.287	0.3	10.0127	0.0000	FLOOD RISK
4320 minute summer	SW15	2640	12.901	0.009	0.1	0.0027	0.0000	OK
4320 minute summer	SW16	2640	12.831	0.009	0.1	0.0027	0.0000	OK
4320 minute summer	SW17	3120	12.687	0.010	0.2	0.0089	0.0000	OK
4320 minute summer	SW18	3780	13.241	0.371	1.5	78.3187	0.0000	FLOOD RISK
4320 minute summer	SW19	3060	12.565	0.012	0.3	0.0035	0.0000	OK
4320 minute summer	SW20	3060	12.808	0.238	0.3	8.8222	0.0000	FLOOD RISK
4320 minute summer	SW21	2820	11.577	0.019	0.7	0.0052	0.0000	OK
4320 minute summer	SW22	2760	12.252	0.292	0.5	17.5309	0.0000	FLOOD RISK
4320 minute summer	SW23	2820	11.032	0.023	1.3	0.0066	0.0000	OK
4320 minute summer	SW24	2160	12.855	0.015	0.3	0.0000	0.0000	OK
4320 minute summer	SW25	2160	12.672	0.015	0.3	0.0043	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	SW1	1.000	SW2	0.2	0.331	0.011	0.0185	
4320 minute summer	SW2	1.001	SW3	0.2	0.345	0.011	0.0079	
4320 minute summer	SW3	1.002	SW4	0.2	0.326	0.010	0.0112	
4320 minute summer	SW4	1.008	SW12	0.3	0.382	0.017	0.0284	
4320 minute summer	SW5	1.003	SW6	0.2	0.354	0.033	0.0038	
4320 minute summer	SW6	1.004	SW7	0.2	0.345	0.033	0.0051	
4320 minute summer	SW7	1.005	SW8	0.2	0.343	0.033	0.0006	
4320 minute summer	SW8	Flow through Pond	SW9	0.2	0.002	0.000	7.2509	
4320 minute summer	SW9	1.007	SW4	0.1	0.220	0.018	0.0007	
4320 minute summer	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
4320 minute summer	SW11	Flow through Pond	SW9	0.2	0.002	0.000	7.2509	
4320 minute summer	SW12	1.009	SW13	0.3	0.313	0.017	0.0239	
4320 minute summer	SW13	1.010	SW21	0.6	0.427	0.012	0.0106	
4320 minute summer	SW14	2.000	SW15	0.1	0.295	0.018	0.0085	
4320 minute summer	SW15	2.001	SW16	0.1	0.295	0.018	0.0026	
4320 minute summer	SW16	2.002	SW17	0.1	0.280	0.018	0.0057	
4320 minute summer	SW17	2.003	SW19	0.2	0.389	0.009	0.0036	
4320 minute summer	SW18	3.000	SW17	0.1	0.358	0.005	0.0004	
4320 minute summer	SW19	2.004	SW13	0.3	0.493	0.013	0.0035	
4320 minute summer	SW20	4.000	SW19	0.1	0.226	0.017	0.0008	
4320 minute summer	SW21	1.011	SW23	0.7	0.403	0.014	0.0943	
4320 minute summer	SW22	5.000	SW21	0.1	0.193	0.011	0.0095	
4320 minute summer	SW23	6.010	SW40	1.3	0.590	0.022	0.0180	
4320 minute summer	SW24	6.000	SW25	0.3	0.402	0.050	0.0137	
4320 minute summer	SW25	6.001	SW26	0.3	0.360	0.050	0.0181	

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Results for 30 year +45% CC 4320 minute summer. 4560 minute analysis at 60 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	SW26	2160	12.458	0.018	0.4	0.0000	0.0000	OK
4320 minute summer	SW27	2160	12.805	0.005	0.1	0.0000	0.0000	OK
4320 minute summer	SW28	2160	12.396	0.018	0.5	0.0155	0.0000	OK
4320 minute summer	SW29	1800	12.839	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	SW30	2160	12.360	0.018	0.5	0.0153	0.0000	OK
4320 minute summer	SW31	2700	12.131	0.473	0.5	0.0000	0.0000	OK
4320 minute summer	SW32	2700	12.131	0.477	0.3	0.1349	0.0000	SURCHARGED
4320 minute summer	SW33	2940	11.581	0.012	0.2	0.0105	0.0000	OK
4320 minute summer	SW34	2940	13.665	0.315	0.7	30.3510	0.0000	FLOOD RISK
4320 minute summer	SW35	2940	11.431	0.012	0.2	0.0034	0.0000	OK
4320 minute summer	SW36	2940	11.358	0.012	0.2	0.0034	0.0000	OK
4320 minute summer	SW37	2760	11.200	0.016	0.4	0.0138	0.0000	OK
4320 minute summer	SW38	2760	13.060	0.390	0.6	17.4571	0.0000	SURCHARGED
4320 minute summer	SW39	2700	12.691	0.391	0.4	15.1901	0.0000	SURCHARGED
4320 minute summer	SW40	2760	10.239	0.001	1.5	0.0006	0.0000	OK
4320 minute summer	SW41	2700	12.522	0.302	0.4	14.6468	0.0000	FLOOD RISK
4320 minute summer	SW42	1800	12.828	0.008	0.1	0.0000	0.0000	OK
4320 minute summer	SW43	1980	12.309	0.009	0.1	0.0026	0.0000	OK
4320 minute summer	SW44	1800	12.219	0.009	0.1	0.0026	0.0000	OK
4320 minute summer	SW45	2040	12.172	0.013	0.2	0.0036	0.0000	OK
4320 minute summer	SW46	2040	12.049	0.011	0.2	0.0031	0.0000	OK
4320 minute summer	SW47	2160	11.165	0.020	0.5	0.0055	0.0000	OK
4320 minute summer	SW48	2160	11.909	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	SW49	2040	11.909	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	SW50	2040	11.810	0.009	0.1	0.0015	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	SW26	6.002	SW28	0.4	0.428	0.066	0.0058	
4320 minute summer	SW27	7.000	SW26	0.1	0.202	0.005	0.0021	
4320 minute summer	SW28	6.003	SW30	0.5	0.427	0.028	0.0042	
4320 minute summer	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
4320 minute summer	SW30	6.004	SW31	0.5	0.437	0.028	0.0044	
4320 minute summer	SW31	Flow through Pond	SW32	0.3	0.001	0.000	15.3370	
4320 minute summer	SW32	6.005	SW33	0.1	0.296	0.019	0.0014	
4320 minute summer	SW33	6.006	SW35	0.2	0.347	0.013	0.0099	
4320 minute summer	SW34	9.000	SW33	0.1	0.375	0.013	0.0005	
4320 minute summer	SW35	6.007	SW36	0.2	0.347	0.013	0.0048	
4320 minute summer	SW36	6.008	SW37	0.2	0.283	0.013	0.0133	
4320 minute summer	SW37	6.009	SW23	0.4	0.306	0.023	0.0240	
4320 minute summer	SW38	10.000	SW37	0.2	0.428	0.022	0.0006	
4320 minute summer	SW39	11.000	SW23	0.1	0.363	0.012	0.0004	
4320 minute summer	SW40	Pump		1.5				241.1
4320 minute summer	SW41	12.000	SW40	0.1	0.374	0.013	0.0006	
4320 minute summer	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
4320 minute summer	SW43	13.001	SW44	0.1	0.287	0.017	0.0032	
4320 minute summer	SW44	13.002	SW45	0.1	0.281	0.017	0.0024	
4320 minute summer	SW45	13.003	SW46	0.2	0.380	0.033	0.0064	
4320 minute summer	SW46	13.004	SW47	0.2	0.431	0.025	0.0065	
4320 minute summer	SW47	17.000	SW55	0.5	0.455	0.083	0.0163	
4320 minute summer	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
4320 minute summer	SW49	15.000	SW50	0.1	0.282	0.017	0.0035	
4320 minute summer	SW50	15.001	SW51	0.1	0.314	0.017	0.0041	

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Results for 30 year +45% CC 4320 minute summer. 4560 minute analysis at 60 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	SW51	2040	11.680	0.008	0.1	0.0012	0.0000	OK
4320 minute summer	SW52	2040	11.213	0.013	0.2	0.0035	0.0000	OK
4320 minute summer	SW53	1920	11.909	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	SW54	1920	11.280	0.009	0.1	0.0026	0.0000	OK
4320 minute summer	SW55	2160	11.017	0.020	0.5	0.0014	0.0000	OK
4320 minute summer	SW56	2580	10.674	0.380	0.5	0.0000	0.0000	OK
4320 minute summer	SW57	2580	10.674	0.390	0.3	0.1104	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	SW51	15.002	SW52	0.1	0.242	0.012	0.0104	
4320 minute summer	SW52	15.003	SW47	0.2	0.272	0.033	0.0046	
4320 minute summer	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
4320 minute summer	SW54	16.001	SW52	0.1	0.287	0.017	0.0032	
4320 minute summer	SW55	17.001	SW56	0.5	0.459	0.083	0.0014	
4320 minute summer	SW56	Flow through Pond	SW57	0.3	0.004	0.000	13.1791	
4320 minute summer	SW57	17.002	SW40	0.1	0.550	0.017	0.0013	

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Results for 30 year +45% CC 4320 minute winter. 4560 minute analysis at 60 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute winter	SW1	3300	13.347	0.457	1.0	73.8689	0.0000	FLOOD RISK
4320 minute winter	SW2	3300	12.593	0.011	0.2	0.0032	0.0000	OK
4320 minute winter	SW3	3300	12.455	0.011	0.2	0.0030	0.0000	OK
4320 minute winter	SW4	3000	12.243	0.014	0.3	0.0000	0.0000	OK
4320 minute winter	SW5	1500	13.109	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	SW6	1500	13.041	0.009	0.1	0.0014	0.0000	OK
4320 minute winter	SW7	1500	12.952	0.009	0.1	0.0007	0.0000	OK
4320 minute winter	SW8	2700	12.661	0.406	0.1	0.0000	0.0000	OK
4320 minute winter	SW9	2700	12.661	0.418	0.1	0.1182	0.0000	SURCHARGED
4320 minute winter	SW10	1800	13.126	0.006	0.1	0.0000	0.0000	OK
4320 minute winter	SW11	2700	12.661	0.406	0.1	0.0000	0.0000	OK
4320 minute winter	SW12	3000	11.887	0.014	0.3	0.0039	0.0000	OK
4320 minute winter	SW13	3000	11.647	0.018	0.6	0.0153	0.0000	OK
4320 minute winter	SW14	2700	13.382	0.262	0.2	9.1145	0.0000	SURCHARGED
4320 minute winter	SW15	2700	12.901	0.009	0.1	0.0026	0.0000	OK
4320 minute winter	SW16	2700	12.831	0.009	0.1	0.0026	0.0000	OK
4320 minute winter	SW17	3300	12.687	0.010	0.2	0.0088	0.0000	OK
4320 minute winter	SW18	4080	13.246	0.376	1.0	79.4434	0.0000	FLOOD RISK
4320 minute winter	SW19	3240	12.565	0.012	0.3	0.0035	0.0000	OK
4320 minute winter	SW20	3240	12.803	0.233	0.2	8.6210	0.0000	FLOOD RISK
4320 minute winter	SW21	3000	11.576	0.018	0.7	0.0052	0.0000	OK
4320 minute winter	SW22	2940	12.252	0.292	0.3	17.4764	0.0000	FLOOD RISK
4320 minute winter	SW23	3000	11.032	0.023	1.3	0.0066	0.0000	OK
4320 minute winter	SW24	1920	12.853	0.013	0.2	0.0000	0.0000	OK
4320 minute winter	SW25	1920	12.670	0.013	0.2	0.0035	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	SW1	1.000	SW2	0.2	0.332	0.011	0.0186	
4320 minute winter	SW2	1.001	SW3	0.2	0.346	0.011	0.0080	
4320 minute winter	SW3	1.002	SW4	0.2	0.325	0.010	0.0112	
4320 minute winter	SW4	1.008	SW12	0.3	0.382	0.017	0.0284	
4320 minute winter	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
4320 minute winter	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
4320 minute winter	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
4320 minute winter	SW8	Flow through Pond	SW9	0.1	0.002	0.000	7.0393	
4320 minute winter	SW9	1.007	SW4	0.1	0.219	0.018	0.0007	
4320 minute winter	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
4320 minute winter	SW11	Flow through Pond	SW9	0.1	0.002	0.000	7.0393	
4320 minute winter	SW12	1.009	SW13	0.3	0.313	0.017	0.0238	
4320 minute winter	SW13	1.010	SW21	0.6	0.425	0.012	0.0105	
4320 minute winter	SW14	2.000	SW15	0.1	0.291	0.017	0.0082	
4320 minute winter	SW15	2.001	SW16	0.1	0.291	0.017	0.0025	
4320 minute winter	SW16	2.002	SW17	0.1	0.275	0.017	0.0056	
4320 minute winter	SW17	2.003	SW19	0.2	0.387	0.009	0.0035	
4320 minute winter	SW18	3.000	SW17	0.1	0.359	0.005	0.0004	
4320 minute winter	SW19	2.004	SW13	0.3	0.490	0.013	0.0035	
4320 minute winter	SW20	4.000	SW19	0.1	0.226	0.016	0.0008	
4320 minute winter	SW21	1.011	SW23	0.7	0.403	0.014	0.0936	
4320 minute winter	SW22	5.000	SW21	0.1	0.196	0.011	0.0095	
4320 minute winter	SW23	6.010	SW40	1.3	0.588	0.022	0.0178	
4320 minute winter	SW24	6.000	SW25	0.2	0.355	0.033	0.0103	
4320 minute winter	SW25	6.001	SW26	0.2	0.355	0.033	0.0122	

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Results for 30 year +45% CC 4320 minute winter. 4560 minute analysis at 60 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute winter	SW26	1920	12.452	0.012	0.2	0.0000	0.0000	OK
4320 minute winter	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	SW28	1920	12.392	0.014	0.3	0.0121	0.0000	OK
4320 minute winter	SW29	1680	12.839	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	SW30	1920	12.356	0.014	0.3	0.0120	0.0000	OK
4320 minute winter	SW31	2820	12.107	0.449	0.3	0.0000	0.0000	OK
4320 minute winter	SW32	2820	12.107	0.453	0.2	0.1281	0.0000	SURCHARGED
4320 minute winter	SW33	3120	11.581	0.012	0.2	0.0104	0.0000	OK
4320 minute winter	SW34	3120	13.666	0.316	0.5	30.3936	0.0000	FLOOD RISK
4320 minute winter	SW35	3120	11.431	0.012	0.2	0.0034	0.0000	OK
4320 minute winter	SW36	3120	11.358	0.012	0.2	0.0034	0.0000	OK
4320 minute winter	SW37	2940	11.200	0.016	0.4	0.0136	0.0000	OK
4320 minute winter	SW38	2940	13.038	0.368	0.4	16.4651	0.0000	SURCHARGED
4320 minute winter	SW39	2880	12.699	0.399	0.3	15.5018	0.0000	SURCHARGED
4320 minute winter	SW40	2940	10.239	0.001	1.4	0.0006	0.0000	OK
4320 minute winter	SW41	2880	12.526	0.306	0.3	14.8236	0.0000	FLOOD RISK
4320 minute winter	SW42	1680	12.828	0.008	0.1	0.0000	0.0000	OK
4320 minute winter	SW43	2160	12.309	0.009	0.1	0.0026	0.0000	OK
4320 minute winter	SW44	1680	12.219	0.009	0.1	0.0026	0.0000	OK
4320 minute winter	SW45	2220	12.172	0.013	0.2	0.0036	0.0000	OK
4320 minute winter	SW46	2220	12.049	0.011	0.2	0.0031	0.0000	OK
4320 minute winter	SW47	2220	11.163	0.018	0.4	0.0050	0.0000	OK
4320 minute winter	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	SW49	2220	11.909	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	SW50	2220	11.810	0.009	0.1	0.0015	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	SW26	6.002	SW28	0.2	0.328	0.033	0.0038	
4320 minute winter	SW27	7.000	SW26	0.0	0.000	0.000	0.0011	
4320 minute winter	SW28	6.003	SW30	0.3	0.370	0.017	0.0029	
4320 minute winter	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
4320 minute winter	SW30	6.004	SW31	0.3	0.376	0.017	0.0031	
4320 minute winter	SW31	Flow through Pond	SW32	0.2	0.001	0.000	14.5624	
4320 minute winter	SW32	6.005	SW33	0.1	0.294	0.019	0.0014	
4320 minute winter	SW33	6.006	SW35	0.2	0.345	0.013	0.0099	
4320 minute winter	SW34	9.000	SW33	0.1	0.376	0.013	0.0005	
4320 minute winter	SW35	6.007	SW36	0.2	0.346	0.013	0.0048	
4320 minute winter	SW36	6.008	SW37	0.2	0.283	0.013	0.0132	
4320 minute winter	SW37	6.009	SW23	0.4	0.303	0.023	0.0238	
4320 minute winter	SW38	10.000	SW37	0.2	0.424	0.021	0.0006	
4320 minute winter	SW39	11.000	SW23	0.1	0.364	0.012	0.0004	
4320 minute winter	SW40	Pump		1.4				246.5
4320 minute winter	SW41	12.000	SW40	0.1	0.375	0.013	0.0006	
4320 minute winter	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
4320 minute winter	SW43	13.001	SW44	0.1	0.287	0.017	0.0032	
4320 minute winter	SW44	13.002	SW45	0.1	0.281	0.017	0.0024	
4320 minute winter	SW45	13.003	SW46	0.2	0.380	0.033	0.0064	
4320 minute winter	SW46	13.004	SW47	0.2	0.431	0.025	0.0065	
4320 minute winter	SW47	17.000	SW55	0.4	0.427	0.066	0.0139	
4320 minute winter	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
4320 minute winter	SW49	15.000	SW50	0.1	0.282	0.017	0.0035	
4320 minute winter	SW50	15.001	SW51	0.1	0.314	0.017	0.0041	

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Results for 30 year +45% CC 4320 minute winter. 4560 minute analysis at 60 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute winter	SW51	2220	11.680	0.008	0.1	0.0012	0.0000	OK
4320 minute winter	SW52	2220	11.213	0.013	0.2	0.0035	0.0000	OK
4320 minute winter	SW53	1920	11.909	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	SW54	1920	11.280	0.009	0.1	0.0026	0.0000	OK
4320 minute winter	SW55	2220	11.015	0.018	0.4	0.0013	0.0000	OK
4320 minute winter	SW56	2760	10.542	0.248	0.4	0.0000	0.0000	OK
4320 minute winter	SW57	2760	10.542	0.258	0.2	0.0731	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	SW51	15.002	SW52	0.1	0.242	0.012	0.0104	
4320 minute winter	SW52	15.003	SW47	0.2	0.272	0.033	0.0041	
4320 minute winter	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
4320 minute winter	SW54	16.001	SW52	0.1	0.287	0.017	0.0032	
4320 minute winter	SW55	17.001	SW56	0.4	0.431	0.066	0.0012	
4320 minute winter	SW56	Flow through Pond	SW57	0.2	0.004	0.000	8.6638	
4320 minute winter	SW57	17.002	SW40	0.1	0.524	0.014	0.0011	

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Results for 30 year +45% CC 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	SW1	3960	13.346	0.456	1.3	73.6908	0.0000	FLOOD RISK
5760 minute summer	SW2	3960	12.593	0.011	0.2	0.0032	0.0000	OK
5760 minute summer	SW3	3960	12.455	0.011	0.2	0.0030	0.0000	OK
5760 minute summer	SW4	3600	12.243	0.014	0.3	0.0000	0.0000	OK
5760 minute summer	SW5	2340	13.109	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	SW6	2340	13.041	0.009	0.1	0.0014	0.0000	OK
5760 minute summer	SW7	2340	12.952	0.009	0.1	0.0007	0.0000	OK
5760 minute summer	SW8	3420	12.648	0.393	0.1	0.0000	0.0000	OK
5760 minute summer	SW9	3420	12.648	0.405	0.1	0.1146	0.0000	SURCHARGED
5760 minute summer	SW10	2520	13.126	0.006	0.1	0.0000	0.0000	OK
5760 minute summer	SW11	3420	12.648	0.393	0.1	0.0000	0.0000	OK
5760 minute summer	SW12	3600	11.887	0.014	0.3	0.0039	0.0000	OK
5760 minute summer	SW13	3600	11.647	0.018	0.6	0.0153	0.0000	OK
5760 minute summer	SW14	3360	13.397	0.277	0.3	9.6373	0.0000	SURCHARGED
5760 minute summer	SW15	3360	12.901	0.009	0.1	0.0027	0.0000	OK
5760 minute summer	SW16	3360	12.831	0.009	0.1	0.0026	0.0000	OK
5760 minute summer	SW17	3960	12.687	0.010	0.2	0.0089	0.0000	OK
5760 minute summer	SW18	4620	13.250	0.380	1.2	80.3288	0.0000	FLOOD RISK
5760 minute summer	SW19	3900	12.565	0.012	0.3	0.0035	0.0000	OK
5760 minute summer	SW20	3900	12.800	0.230	0.3	8.5239	0.0000	FLOOD RISK
5760 minute summer	SW21	3600	11.576	0.018	0.7	0.0052	0.0000	OK
5760 minute summer	SW22	3540	12.243	0.283	0.4	16.9747	0.0000	FLOOD RISK
5760 minute summer	SW23	3600	11.032	0.023	1.2	0.0066	0.0000	OK
5760 minute summer	SW24	2640	12.853	0.013	0.2	0.0000	0.0000	OK
5760 minute summer	SW25	2640	12.670	0.013	0.2	0.0035	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	SW1	1.000	SW2	0.2	0.332	0.011	0.0186	
5760 minute summer	SW2	1.001	SW3	0.2	0.346	0.011	0.0080	
5760 minute summer	SW3	1.002	SW4	0.2	0.343	0.010	0.0111	
5760 minute summer	SW4	1.008	SW12	0.3	0.381	0.017	0.0282	
5760 minute summer	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
5760 minute summer	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
5760 minute summer	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
5760 minute summer	SW8	Flow through Pond	SW9	0.1	0.002	0.000	6.8190	
5760 minute summer	SW9	1.007	SW4	0.1	0.216	0.018	0.0007	
5760 minute summer	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
5760 minute summer	SW11	Flow through Pond	SW9	0.1	0.002	0.000	6.8190	
5760 minute summer	SW12	1.009	SW13	0.3	0.312	0.017	0.0237	
5760 minute summer	SW13	1.010	SW21	0.6	0.426	0.012	0.0105	
5760 minute summer	SW14	2.000	SW15	0.1	0.294	0.018	0.0084	
5760 minute summer	SW15	2.001	SW16	0.1	0.294	0.018	0.0026	
5760 minute summer	SW16	2.002	SW17	0.1	0.278	0.018	0.0057	
5760 minute summer	SW17	2.003	SW19	0.2	0.389	0.009	0.0036	
5760 minute summer	SW18	3.000	SW17	0.1	0.360	0.005	0.0004	
5760 minute summer	SW19	2.004	SW13	0.3	0.492	0.013	0.0035	
5760 minute summer	SW20	4.000	SW19	0.1	0.224	0.016	0.0008	
5760 minute summer	SW21	1.011	SW23	0.7	0.403	0.014	0.0935	
5760 minute summer	SW22	5.000	SW21	0.1	0.191	0.011	0.0095	
5760 minute summer	SW23	6.010	SW40	1.2	0.588	0.021	0.0178	
5760 minute summer	SW24	6.000	SW25	0.2	0.355	0.033	0.0103	
5760 minute summer	SW25	6.001	SW26	0.2	0.355	0.033	0.0122	

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Results for 30 year +45% CC 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	SW26	2640	12.452	0.012	0.2	0.0000	0.0000	OK
5760 minute summer	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	SW28	2640	12.392	0.014	0.3	0.0121	0.0000	OK
5760 minute summer	SW29	2460	12.839	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	SW30	2640	12.356	0.014	0.3	0.0120	0.0000	OK
5760 minute summer	SW31	3480	12.081	0.423	0.3	0.0000	0.0000	OK
5760 minute summer	SW32	3480	12.081	0.427	0.2	0.1207	0.0000	SURCHARGED
5760 minute summer	SW33	3780	11.581	0.012	0.2	0.0104	0.0000	OK
5760 minute summer	SW34	3780	13.677	0.327	0.6	31.4717	0.0000	FLOOD RISK
5760 minute summer	SW35	3780	11.431	0.012	0.2	0.0034	0.0000	OK
5760 minute summer	SW36	3780	11.358	0.012	0.2	0.0034	0.0000	OK
5760 minute summer	SW37	3600	11.200	0.016	0.4	0.0136	0.0000	OK
5760 minute summer	SW38	3600	13.046	0.376	0.5	16.8188	0.0000	SURCHARGED
5760 minute summer	SW39	3480	12.677	0.377	0.4	14.6689	0.0000	SURCHARGED
5760 minute summer	SW40	3600	10.239	0.001	1.4	0.0006	0.0000	OK
5760 minute summer	SW41	3480	12.511	0.291	0.4	14.0900	0.0000	FLOOD RISK
5760 minute summer	SW42	2460	12.828	0.008	0.1	0.0000	0.0000	OK
5760 minute summer	SW43	2760	12.309	0.009	0.1	0.0026	0.0000	OK
5760 minute summer	SW44	2460	12.219	0.009	0.1	0.0026	0.0000	OK
5760 minute summer	SW45	2820	12.172	0.013	0.2	0.0036	0.0000	OK
5760 minute summer	SW46	2820	12.049	0.011	0.2	0.0031	0.0000	OK
5760 minute summer	SW47	2820	11.163	0.018	0.4	0.0050	0.0000	OK
5760 minute summer	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	SW49	2820	11.909	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	SW50	2820	11.810	0.009	0.1	0.0015	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	SW26	6.002	SW28	0.2	0.328	0.033	0.0038	
5760 minute summer	SW27	7.000	SW26	0.0	0.000	0.000	0.0011	
5760 minute summer	SW28	6.003	SW30	0.3	0.370	0.017	0.0029	
5760 minute summer	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
5760 minute summer	SW30	6.004	SW31	0.3	0.376	0.017	0.0031	
5760 minute summer	SW31	Flow through Pond	SW32	0.2	0.001	0.000	13.7182	
5760 minute summer	SW32	6.005	SW33	0.1	0.291	0.018	0.0013	
5760 minute summer	SW33	6.006	SW35	0.2	0.345	0.013	0.0098	
5760 minute summer	SW34	9.000	SW33	0.1	0.378	0.014	0.0005	
5760 minute summer	SW35	6.007	SW36	0.2	0.345	0.013	0.0048	
5760 minute summer	SW36	6.008	SW37	0.2	0.281	0.013	0.0132	
5760 minute summer	SW37	6.009	SW23	0.4	0.304	0.023	0.0238	
5760 minute summer	SW38	10.000	SW37	0.2	0.426	0.021	0.0006	
5760 minute summer	SW39	11.000	SW23	0.1	0.361	0.012	0.0004	
5760 minute summer	SW40	Pump		1.4				290.5
5760 minute summer	SW41	12.000	SW40	0.1	0.372	0.013	0.0006	
5760 minute summer	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
5760 minute summer	SW43	13.001	SW44	0.1	0.287	0.017	0.0032	
5760 minute summer	SW44	13.002	SW45	0.1	0.281	0.017	0.0024	
5760 minute summer	SW45	13.003	SW46	0.2	0.380	0.033	0.0064	
5760 minute summer	SW46	13.004	SW47	0.2	0.431	0.025	0.0065	
5760 minute summer	SW47	17.000	SW55	0.4	0.427	0.066	0.0139	
5760 minute summer	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
5760 minute summer	SW49	15.000	SW50	0.1	0.282	0.017	0.0035	
5760 minute summer	SW50	15.001	SW51	0.1	0.314	0.017	0.0041	

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Results for 30 year +45% CC 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	SW51	2820	11.680	0.008	0.1	0.0012	0.0000	OK
5760 minute summer	SW52	2820	11.213	0.013	0.2	0.0035	0.0000	OK
5760 minute summer	SW53	2640	11.909	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	SW54	2640	11.280	0.009	0.1	0.0026	0.0000	OK
5760 minute summer	SW55	2820	11.015	0.018	0.4	0.0013	0.0000	OK
5760 minute summer	SW56	3420	10.607	0.313	0.4	0.0000	0.0000	OK
5760 minute summer	SW57	3420	10.607	0.323	0.2	0.0914	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	SW51	15.002	SW52	0.1	0.242	0.012	0.0104	
5760 minute summer	SW52	15.003	SW47	0.2	0.272	0.033	0.0041	
5760 minute summer	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
5760 minute summer	SW54	16.001	SW52	0.1	0.287	0.017	0.0032	
5760 minute summer	SW55	17.001	SW56	0.4	0.431	0.066	0.0012	
5760 minute summer	SW56	Flow through Pond	SW57	0.2	0.004	0.000	10.8737	
5760 minute summer	SW57	17.002	SW40	0.1	0.544	0.016	0.0012	

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Results for 30 year +45% CC 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	SW1	4740	13.341	0.451	0.8	72.7873	0.0000	FLOOD RISK
5760 minute winter	SW2	4740	12.593	0.011	0.2	0.0032	0.0000	OK
5760 minute winter	SW3	4740	12.455	0.011	0.2	0.0030	0.0000	OK
5760 minute winter	SW4	3780	12.243	0.014	0.3	0.0000	0.0000	OK
5760 minute winter	SW5	2160	13.109	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	SW6	2160	13.041	0.009	0.1	0.0014	0.0000	OK
5760 minute winter	SW7	2160	12.952	0.009	0.1	0.0007	0.0000	OK
5760 minute winter	SW8	3420	12.667	0.412	0.1	0.0000	0.0000	OK
5760 minute winter	SW9	3420	12.667	0.424	0.2	0.1199	0.0000	SURCHARGED
5760 minute winter	SW10	2520	13.126	0.006	0.1	0.0000	0.0000	OK
5760 minute winter	SW11	3420	12.667	0.412	0.1	0.0000	0.0000	OK
5760 minute winter	SW12	3780	11.887	0.014	0.3	0.0039	0.0000	OK
5760 minute winter	SW13	3780	11.647	0.018	0.6	0.0152	0.0000	OK
5760 minute winter	SW14	3360	13.374	0.254	0.2	8.8398	0.0000	SURCHARGED
5760 minute winter	SW15	3360	12.901	0.009	0.1	0.0026	0.0000	OK
5760 minute winter	SW16	3360	12.831	0.009	0.1	0.0026	0.0000	OK
5760 minute winter	SW17	4200	12.687	0.010	0.2	0.0088	0.0000	OK
5760 minute winter	SW18	4680	13.248	0.378	0.8	79.8306	0.0000	FLOOD RISK
5760 minute winter	SW19	4200	12.565	0.012	0.3	0.0034	0.0000	OK
5760 minute winter	SW20	4200	12.788	0.218	0.2	8.0637	0.0000	SURCHARGED
5760 minute winter	SW21	3780	11.576	0.018	0.7	0.0052	0.0000	OK
5760 minute winter	SW22	3720	12.215	0.255	0.3	15.2693	0.0000	FLOOD RISK
5760 minute winter	SW23	3780	11.032	0.023	1.2	0.0065	0.0000	OK
5760 minute winter	SW24	2820	12.853	0.013	0.2	0.0000	0.0000	OK
5760 minute winter	SW25	2820	12.670	0.013	0.2	0.0035	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	SW1	1.000	SW2	0.2	0.331	0.011	0.0185	
5760 minute winter	SW2	1.001	SW3	0.2	0.345	0.011	0.0079	
5760 minute winter	SW3	1.002	SW4	0.2	0.339	0.010	0.0111	
5760 minute winter	SW4	1.008	SW12	0.3	0.380	0.017	0.0282	
5760 minute winter	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
5760 minute winter	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
5760 minute winter	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
5760 minute winter	SW8	Flow through Pond	SW9	0.2	0.002	0.000	7.1417	
5760 minute winter	SW9	1.007	SW4	0.1	0.222	0.018	0.0007	
5760 minute winter	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
5760 minute winter	SW11	Flow through Pond	SW9	0.2	0.002	0.000	7.1417	
5760 minute winter	SW12	1.009	SW13	0.3	0.313	0.017	0.0236	
5760 minute winter	SW13	1.010	SW21	0.6	0.425	0.012	0.0104	
5760 minute winter	SW14	2.000	SW15	0.1	0.290	0.017	0.0081	
5760 minute winter	SW15	2.001	SW16	0.1	0.290	0.017	0.0025	
5760 minute winter	SW16	2.002	SW17	0.1	0.274	0.017	0.0056	
5760 minute winter	SW17	2.003	SW19	0.2	0.387	0.009	0.0035	
5760 minute winter	SW18	3.000	SW17	0.1	0.359	0.005	0.0004	
5760 minute winter	SW19	2.004	SW13	0.3	0.489	0.013	0.0034	
5760 minute winter	SW20	4.000	SW19	0.1	0.222	0.016	0.0008	
5760 minute winter	SW21	1.011	SW23	0.7	0.402	0.013	0.0920	
5760 minute winter	SW22	5.000	SW21	0.1	0.184	0.010	0.0093	
5760 minute winter	SW23	6.010	SW40	1.2	0.583	0.021	0.0175	
5760 minute winter	SW24	6.000	SW25	0.2	0.355	0.033	0.0103	
5760 minute winter	SW25	6.001	SW26	0.2	0.355	0.033	0.0122	

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Results for 30 year +45% CC 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	SW26	2820	12.452	0.012	0.2	0.0000	0.0000	OK
5760 minute winter	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW28	2820	12.392	0.014	0.3	0.0121	0.0000	OK
5760 minute winter	SW29	2340	12.839	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	SW30	2820	12.356	0.014	0.3	0.0120	0.0000	OK
5760 minute winter	SW31	3600	12.080	0.422	0.3	0.0000	0.0000	OK
5760 minute winter	SW32	3600	12.080	0.426	0.2	0.1206	0.0000	SURCHARGED
5760 minute winter	SW33	4020	11.581	0.012	0.2	0.0103	0.0000	OK
5760 minute winter	SW34	4020	13.671	0.321	0.4	30.9092	0.0000	FLOOD RISK
5760 minute winter	SW35	4020	11.431	0.012	0.2	0.0034	0.0000	OK
5760 minute winter	SW36	4020	11.358	0.012	0.2	0.0034	0.0000	OK
5760 minute winter	SW37	3840	11.200	0.016	0.4	0.0134	0.0000	OK
5760 minute winter	SW38	3780	13.009	0.339	0.3	15.1430	0.0000	SURCHARGED
5760 minute winter	SW39	4440	12.643	0.343	0.2	13.2938	0.0000	SURCHARGED
5760 minute winter	SW40	3780	10.239	0.001	1.4	0.0006	0.0000	OK
5760 minute winter	SW41	3600	12.479	0.259	0.2	12.5307	0.0000	SURCHARGED
5760 minute winter	SW42	2340	12.828	0.008	0.1	0.0000	0.0000	OK
5760 minute winter	SW43	2340	12.309	0.009	0.1	0.0026	0.0000	OK
5760 minute winter	SW44	2340	12.219	0.009	0.1	0.0026	0.0000	OK
5760 minute winter	SW45	2340	12.168	0.009	0.1	0.0026	0.0000	OK
5760 minute winter	SW46	2340	12.046	0.008	0.1	0.0022	0.0000	OK
5760 minute winter	SW47	2820	11.158	0.013	0.2	0.0035	0.0000	OK
5760 minute winter	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW49	60	11.900	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW50	60	11.801	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	SW26	6.002	SW28	0.2	0.328	0.033	0.0038	
5760 minute winter	SW27	7.000	SW26	0.0	0.000	0.000	0.0011	
5760 minute winter	SW28	6.003	SW30	0.3	0.370	0.017	0.0029	
5760 minute winter	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
5760 minute winter	SW30	6.004	SW31	0.3	0.376	0.017	0.0031	
5760 minute winter	SW31	Flow through Pond	SW32	0.2	0.001	0.000	13.7086	
5760 minute winter	SW32	6.005	SW33	0.1	0.291	0.018	0.0013	
5760 minute winter	SW33	6.006	SW35	0.2	0.344	0.013	0.0098	
5760 minute winter	SW34	9.000	SW33	0.1	0.377	0.014	0.0005	
5760 minute winter	SW35	6.007	SW36	0.2	0.345	0.013	0.0048	
5760 minute winter	SW36	6.008	SW37	0.2	0.284	0.013	0.0130	
5760 minute winter	SW37	6.009	SW23	0.4	0.301	0.022	0.0233	
5760 minute winter	SW38	10.000	SW37	0.2	0.419	0.020	0.0006	
5760 minute winter	SW39	11.000	SW23	0.1	0.356	0.011	0.0004	
5760 minute winter	SW40	Pump		1.4				295.5
5760 minute winter	SW41	12.000	SW40	0.1	0.365	0.012	0.0006	
5760 minute winter	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
5760 minute winter	SW43	13.001	SW44	0.1	0.286	0.017	0.0032	
5760 minute winter	SW44	13.002	SW45	0.1	0.281	0.017	0.0018	
5760 minute winter	SW45	13.003	SW46	0.1	0.310	0.017	0.0039	
5760 minute winter	SW46	13.004	SW47	0.1	0.349	0.012	0.0040	
5760 minute winter	SW47	17.000	SW55	0.2	0.350	0.033	0.0085	
5760 minute winter	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
5760 minute winter	SW49	15.000	SW50	0.0	0.000	0.000	0.0000	
5760 minute winter	SW50	15.001	SW51	0.0	0.000	0.000	0.0000	

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Results for 30 year +45% CC 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	SW51	60	11.672	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW52	2820	11.209	0.009	0.1	0.0026	0.0000	OK
5760 minute winter	SW53	2820	11.909	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	SW54	2820	11.280	0.009	0.1	0.0026	0.0000	OK
5760 minute winter	SW55	2820	11.010	0.013	0.2	0.0009	0.0000	OK
5760 minute winter	SW56	3540	10.465	0.171	0.2	0.0000	0.0000	OK
5760 minute winter	SW57	3540	10.465	0.181	0.1	0.0512	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	SW51	15.002	SW52	0.0	0.000	0.000	0.0043	
5760 minute winter	SW52	15.003	SW47	0.1	0.222	0.017	0.0025	
5760 minute winter	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
5760 minute winter	SW54	16.001	SW52	0.1	0.287	0.017	0.0025	
5760 minute winter	SW55	17.001	SW56	0.2	0.353	0.033	0.0007	
5760 minute winter	SW56	Flow through Pond	SW57	0.1	0.004	0.000	6.0196	
5760 minute winter	SW57	17.002	SW40	0.1	0.495	0.012	0.0009	

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Results for 30 year +45% CC 7200 minute summer. 7440 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	SW1	4800	13.351	0.461	1.1	74.4883	0.0000	FLOOD RISK
7200 minute summer	SW2	4800	12.593	0.011	0.2	0.0033	0.0000	OK
7200 minute summer	SW3	4800	12.455	0.011	0.2	0.0030	0.0000	OK
7200 minute summer	SW4	4380	12.243	0.014	0.3	0.0000	0.0000	OK
7200 minute summer	SW5	3000	13.109	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	SW6	3000	13.041	0.009	0.1	0.0014	0.0000	OK
7200 minute summer	SW7	3000	12.952	0.009	0.1	0.0007	0.0000	OK
7200 minute summer	SW8	4140	12.654	0.399	0.1	0.0000	0.0000	OK
7200 minute summer	SW9	4140	12.654	0.411	0.1	0.1164	0.0000	SURCHARGED
7200 minute summer	SW10	3240	13.126	0.006	0.1	0.0000	0.0000	OK
7200 minute summer	SW11	4140	12.654	0.399	0.1	0.0000	0.0000	OK
7200 minute summer	SW12	4380	11.887	0.014	0.3	0.0039	0.0000	OK
7200 minute summer	SW13	4380	11.647	0.018	0.6	0.0152	0.0000	OK
7200 minute summer	SW14	4080	13.368	0.248	0.2	8.6384	0.0000	SURCHARGED
7200 minute summer	SW15	4080	12.901	0.009	0.1	0.0026	0.0000	OK
7200 minute summer	SW16	4080	12.831	0.009	0.1	0.0026	0.0000	OK
7200 minute summer	SW17	4800	12.687	0.010	0.2	0.0088	0.0000	OK
7200 minute summer	SW18	5400	13.259	0.389	1.1	82.2586	0.0000	FLOOD RISK
7200 minute summer	SW19	4740	12.565	0.012	0.3	0.0035	0.0000	OK
7200 minute summer	SW20	4740	12.792	0.222	0.2	8.2384	0.0000	SURCHARGED
7200 minute summer	SW21	4380	11.576	0.018	0.7	0.0052	0.0000	OK
7200 minute summer	SW22	4320	12.234	0.274	0.3	16.4306	0.0000	FLOOD RISK
7200 minute summer	SW23	4380	11.032	0.023	1.2	0.0066	0.0000	OK
7200 minute summer	SW24	3420	12.853	0.013	0.2	0.0000	0.0000	OK
7200 minute summer	SW25	3420	12.670	0.013	0.2	0.0035	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	SW1	1.000	SW2	0.2	0.332	0.011	0.0187	
7200 minute summer	SW2	1.001	SW3	0.2	0.347	0.011	0.0080	
7200 minute summer	SW3	1.002	SW4	0.2	0.344	0.010	0.0111	
7200 minute summer	SW4	1.008	SW12	0.3	0.381	0.017	0.0283	
7200 minute summer	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
7200 minute summer	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
7200 minute summer	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
7200 minute summer	SW8	Flow through Pond	SW9	0.1	0.002	0.000	6.9320	
7200 minute summer	SW9	1.007	SW4	0.1	0.218	0.018	0.0007	
7200 minute summer	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
7200 minute summer	SW11	Flow through Pond	SW9	0.1	0.002	0.000	6.9320	
7200 minute summer	SW12	1.009	SW13	0.3	0.313	0.017	0.0237	
7200 minute summer	SW13	1.010	SW21	0.6	0.425	0.012	0.0104	
7200 minute summer	SW14	2.000	SW15	0.1	0.289	0.017	0.0081	
7200 minute summer	SW15	2.001	SW16	0.1	0.289	0.017	0.0025	
7200 minute summer	SW16	2.002	SW17	0.1	0.270	0.017	0.0056	
7200 minute summer	SW17	2.003	SW19	0.2	0.388	0.009	0.0035	
7200 minute summer	SW18	3.000	SW17	0.1	0.361	0.005	0.0004	
7200 minute summer	SW19	2.004	SW13	0.3	0.490	0.013	0.0034	
7200 minute summer	SW20	4.000	SW19	0.1	0.222	0.016	0.0008	
7200 minute summer	SW21	1.011	SW23	0.7	0.402	0.014	0.0929	
7200 minute summer	SW22	5.000	SW21	0.1	0.189	0.011	0.0094	
7200 minute summer	SW23	6.010	SW40	1.2	0.586	0.021	0.0177	
7200 minute summer	SW24	6.000	SW25	0.2	0.355	0.033	0.0103	
7200 minute summer	SW25	6.001	SW26	0.2	0.355	0.033	0.0122	

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Results for 30 year +45% CC 7200 minute summer. 7440 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	SW26	3420	12.452	0.012	0.2	0.0000	0.0000	OK
7200 minute summer	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	SW28	3420	12.392	0.014	0.3	0.0121	0.0000	OK
7200 minute summer	SW29	3120	12.839	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	SW30	3420	12.356	0.014	0.3	0.0120	0.0000	OK
7200 minute summer	SW31	4260	12.088	0.430	0.3	0.0000	0.0000	OK
7200 minute summer	SW32	4260	12.088	0.434	0.2	0.1228	0.0000	SURCHARGED
7200 minute summer	SW33	4620	11.581	0.012	0.2	0.0104	0.0000	OK
7200 minute summer	SW34	4620	13.680	0.330	0.5	31.8268	0.0000	FLOOD RISK
7200 minute summer	SW35	4620	11.431	0.012	0.2	0.0034	0.0000	OK
7200 minute summer	SW36	4620	11.358	0.012	0.2	0.0034	0.0000	OK
7200 minute summer	SW37	4380	11.200	0.016	0.4	0.0136	0.0000	OK
7200 minute summer	SW38	4380	13.028	0.358	0.4	15.9994	0.0000	SURCHARGED
7200 minute summer	SW39	4260	12.668	0.368	0.3	14.2867	0.0000	SURCHARGED
7200 minute summer	SW40	4380	10.239	0.001	1.4	0.0006	0.0000	OK
7200 minute summer	SW41	4260	12.502	0.282	0.3	13.6601	0.0000	FLOOD RISK
7200 minute summer	SW42	3120	12.828	0.008	0.1	0.0000	0.0000	OK
7200 minute summer	SW43	3540	12.309	0.009	0.1	0.0026	0.0000	OK
7200 minute summer	SW44	3120	12.219	0.009	0.1	0.0026	0.0000	OK
7200 minute summer	SW45	3600	12.172	0.013	0.2	0.0036	0.0000	OK
7200 minute summer	SW46	3600	12.049	0.011	0.2	0.0031	0.0000	OK
7200 minute summer	SW47	3600	11.163	0.018	0.4	0.0050	0.0000	OK
7200 minute summer	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	SW49	3600	11.909	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	SW50	3600	11.810	0.009	0.1	0.0015	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	SW26	6.002	SW28	0.2	0.328	0.033	0.0038	
7200 minute summer	SW27	7.000	SW26	0.0	0.000	0.000	0.0011	
7200 minute summer	SW28	6.003	SW30	0.3	0.370	0.017	0.0029	
7200 minute summer	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
7200 minute summer	SW30	6.004	SW31	0.3	0.376	0.017	0.0031	
7200 minute summer	SW31	Flow through Pond	SW32	0.2	0.001	0.000	13.9594	
7200 minute summer	SW32	6.005	SW33	0.1	0.292	0.018	0.0013	
7200 minute summer	SW33	6.006	SW35	0.2	0.345	0.013	0.0099	
7200 minute summer	SW34	9.000	SW33	0.1	0.378	0.014	0.0005	
7200 minute summer	SW35	6.007	SW36	0.2	0.346	0.013	0.0048	
7200 minute summer	SW36	6.008	SW37	0.2	0.284	0.013	0.0131	
7200 minute summer	SW37	6.009	SW23	0.4	0.303	0.023	0.0236	
7200 minute summer	SW38	10.000	SW37	0.2	0.423	0.021	0.0006	
7200 minute summer	SW39	11.000	SW23	0.1	0.359	0.012	0.0004	
7200 minute summer	SW40	Pump		1.4				331.8
7200 minute summer	SW41	12.000	SW40	0.1	0.370	0.013	0.0006	
7200 minute summer	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
7200 minute summer	SW43	13.001	SW44	0.1	0.287	0.017	0.0032	
7200 minute summer	SW44	13.002	SW45	0.1	0.281	0.017	0.0024	
7200 minute summer	SW45	13.003	SW46	0.2	0.380	0.033	0.0064	
7200 minute summer	SW46	13.004	SW47	0.2	0.431	0.025	0.0065	
7200 minute summer	SW47	17.000	SW55	0.4	0.427	0.066	0.0139	
7200 minute summer	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
7200 minute summer	SW49	15.000	SW50	0.1	0.282	0.017	0.0035	
7200 minute summer	SW50	15.001	SW51	0.1	0.314	0.017	0.0041	

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Results for 30 year +45% CC 7200 minute summer. 7440 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	SW51	3600	11.680	0.008	0.1	0.0012	0.0000	OK
7200 minute summer	SW52	3600	11.213	0.013	0.2	0.0035	0.0000	OK
7200 minute summer	SW53	3420	11.909	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	SW54	3420	11.280	0.009	0.1	0.0026	0.0000	OK
7200 minute summer	SW55	3600	11.015	0.018	0.4	0.0013	0.0000	OK
7200 minute summer	SW56	4200	10.560	0.266	0.4	0.0000	0.0000	OK
7200 minute summer	SW57	4200	10.560	0.276	0.2	0.0782	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	SW51	15.002	SW52	0.1	0.242	0.012	0.0104	
7200 minute summer	SW52	15.003	SW47	0.2	0.272	0.033	0.0041	
7200 minute summer	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
7200 minute summer	SW54	16.001	SW52	0.1	0.287	0.017	0.0032	
7200 minute summer	SW55	17.001	SW56	0.4	0.431	0.066	0.0012	
7200 minute summer	SW56	Flow through Pond	SW57	0.2	0.004	0.000	9.2756	
7200 minute summer	SW57	17.002	SW40	0.1	0.533	0.014	0.0011	

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Results for 30 year +45% CC 7200 minute winter. 7440 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	SW1	5160	13.345	0.455	0.7	73.5417	0.0000	FLOOD RISK
7200 minute winter	SW2	5160	12.593	0.011	0.2	0.0032	0.0000	OK
7200 minute winter	SW3	5160	12.455	0.011	0.2	0.0030	0.0000	OK
7200 minute winter	SW4	4560	12.242	0.013	0.3	0.0000	0.0000	OK
7200 minute winter	SW5	2820	13.109	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	SW6	2820	13.041	0.009	0.1	0.0014	0.0000	OK
7200 minute winter	SW7	2820	12.952	0.009	0.1	0.0007	0.0000	OK
7200 minute winter	SW8	4500	12.587	0.332	0.1	0.0000	0.0000	OK
7200 minute winter	SW9	4500	12.587	0.344	0.1	0.0975	0.0000	SURCHARGED
7200 minute winter	SW10	3420	13.126	0.006	0.1	0.0000	0.0000	OK
7200 minute winter	SW11	4500	12.587	0.332	0.1	0.0000	0.0000	OK
7200 minute winter	SW12	4560	11.886	0.013	0.3	0.0038	0.0000	OK
7200 minute winter	SW13	4560	11.646	0.017	0.6	0.0147	0.0000	OK
7200 minute winter	SW14	5160	13.331	0.211	0.2	7.2972	0.0000	SURCHARGED
7200 minute winter	SW15	5160	12.901	0.009	0.1	0.0025	0.0000	OK
7200 minute winter	SW16	5160	12.831	0.009	0.1	0.0025	0.0000	OK
7200 minute winter	SW17	5160	12.687	0.010	0.2	0.0087	0.0000	OK
7200 minute winter	SW18	5580	13.261	0.391	0.7	82.6511	0.0000	FLOOD RISK
7200 minute winter	SW19	5100	12.565	0.012	0.3	0.0034	0.0000	OK
7200 minute winter	SW20	5100	12.741	0.171	0.1	6.2980	0.0000	SURCHARGED
7200 minute winter	SW21	4560	11.576	0.018	0.7	0.0050	0.0000	OK
7200 minute winter	SW22	4440	12.211	0.251	0.2	15.0104	0.0000	FLOOD RISK
7200 minute winter	SW23	4680	11.032	0.023	1.2	0.0064	0.0000	OK
7200 minute winter	SW24	4260	12.849	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	SW25	3060	12.666	0.009	0.1	0.0026	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	SW1	1.000	SW2	0.2	0.332	0.011	0.0186	
7200 minute winter	SW2	1.001	SW3	0.2	0.346	0.011	0.0080	
7200 minute winter	SW3	1.002	SW4	0.2	0.344	0.010	0.0109	
7200 minute winter	SW4	1.008	SW12	0.3	0.377	0.016	0.0275	
7200 minute winter	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
7200 minute winter	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
7200 minute winter	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
7200 minute winter	SW8	Flow through Pond	SW9	0.1	0.002	0.000	5.7858	
7200 minute winter	SW9	1.007	SW4	0.1	0.211	0.016	0.0007	
7200 minute winter	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
7200 minute winter	SW11	Flow through Pond	SW9	0.1	0.002	0.000	5.7858	
7200 minute winter	SW12	1.009	SW13	0.3	0.312	0.016	0.0228	
7200 minute winter	SW13	1.010	SW21	0.6	0.416	0.011	0.0100	
7200 minute winter	SW14	2.000	SW15	0.1	0.282	0.016	0.0076	
7200 minute winter	SW15	2.001	SW16	0.1	0.282	0.016	0.0023	
7200 minute winter	SW16	2.002	SW17	0.1	0.259	0.016	0.0054	
7200 minute winter	SW17	2.003	SW19	0.2	0.389	0.009	0.0034	
7200 minute winter	SW18	3.000	SW17	0.1	0.361	0.005	0.0004	
7200 minute winter	SW19	2.004	SW13	0.3	0.480	0.012	0.0033	
7200 minute winter	SW20	4.000	SW19	0.1	0.205	0.014	0.0007	
7200 minute winter	SW21	1.011	SW23	0.7	0.395	0.013	0.0891	
7200 minute winter	SW22	5.000	SW21	0.1	0.187	0.010	0.0090	
7200 minute winter	SW23	6.010	SW40	1.2	0.576	0.020	0.0170	
7200 minute winter	SW24	6.000	SW25	0.1	0.289	0.017	0.0063	
7200 minute winter	SW25	6.001	SW26	0.1	0.289	0.017	0.0076	

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Results for 30 year +45% CC 7200 minute winter. 7440 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	SW26	2280	12.449	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW28	3120	12.389	0.011	0.2	0.0099	0.0000	OK
7200 minute winter	SW29	3120	12.839	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	SW30	3120	12.353	0.011	0.2	0.0099	0.0000	OK
7200 minute winter	SW31	4260	12.018	0.360	0.2	0.0000	0.0000	OK
7200 minute winter	SW32	4260	12.018	0.364	0.2	0.1031	0.0000	SURCHARGED
7200 minute winter	SW33	4860	11.581	0.012	0.2	0.0102	0.0000	OK
7200 minute winter	SW34	4860	13.667	0.317	0.3	30.5857	0.0000	FLOOD RISK
7200 minute winter	SW35	4860	11.431	0.012	0.2	0.0033	0.0000	OK
7200 minute winter	SW36	4860	11.358	0.012	0.2	0.0033	0.0000	OK
7200 minute winter	SW37	4680	11.199	0.015	0.4	0.0132	0.0000	OK
7200 minute winter	SW38	4620	12.983	0.313	0.3	13.9841	0.0000	SURCHARGED
7200 minute winter	SW39	5400	12.653	0.353	0.2	13.6936	0.0000	SURCHARGED
7200 minute winter	SW40	4560	10.239	0.001	1.3	0.0006	0.0000	OK
7200 minute winter	SW41	4320	12.488	0.268	0.2	12.9405	0.0000	SURCHARGED
7200 minute winter	SW42	3120	12.828	0.008	0.1	0.0000	0.0000	OK
7200 minute winter	SW43	3120	12.309	0.009	0.1	0.0026	0.0000	OK
7200 minute winter	SW44	3120	12.219	0.009	0.1	0.0026	0.0000	OK
7200 minute winter	SW45	3120	12.168	0.009	0.1	0.0026	0.0000	OK
7200 minute winter	SW46	3120	12.046	0.008	0.1	0.0022	0.0000	OK
7200 minute winter	SW47	3120	11.154	0.009	0.1	0.0026	0.0000	OK
7200 minute winter	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW49	60	11.900	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW50	60	11.801	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	SW26	6.002	SW28	0.1	0.304	0.017	0.0026	
7200 minute winter	SW27	7.000	SW26	0.0	0.000	0.000	0.0007	
7200 minute winter	SW28	6.003	SW30	0.2	0.328	0.011	0.0022	
7200 minute winter	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
7200 minute winter	SW30	6.004	SW31	0.2	0.332	0.011	0.0023	
7200 minute winter	SW31	Flow through Pond	SW32	0.2	0.001	0.000	11.7074	
7200 minute winter	SW32	6.005	SW33	0.1	0.285	0.017	0.0013	
7200 minute winter	SW33	6.006	SW35	0.2	0.340	0.012	0.0095	
7200 minute winter	SW34	9.000	SW33	0.1	0.376	0.014	0.0005	
7200 minute winter	SW35	6.007	SW36	0.2	0.341	0.012	0.0046	
7200 minute winter	SW36	6.008	SW37	0.2	0.282	0.012	0.0126	
7200 minute winter	SW37	6.009	SW23	0.4	0.297	0.021	0.0227	
7200 minute winter	SW38	10.000	SW37	0.2	0.415	0.019	0.0006	
7200 minute winter	SW39	11.000	SW23	0.1	0.357	0.012	0.0004	
7200 minute winter	SW40	Pump		1.3				332.6
7200 minute winter	SW41	12.000	SW40	0.1	0.367	0.012	0.0006	
7200 minute winter	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
7200 minute winter	SW43	13.001	SW44	0.1	0.286	0.017	0.0032	
7200 minute winter	SW44	13.002	SW45	0.1	0.281	0.017	0.0018	
7200 minute winter	SW45	13.003	SW46	0.1	0.310	0.017	0.0039	
7200 minute winter	SW46	13.004	SW47	0.1	0.349	0.012	0.0040	
7200 minute winter	SW47	17.000	SW55	0.1	0.286	0.017	0.0052	
7200 minute winter	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
7200 minute winter	SW49	15.000	SW50	0.0	0.000	0.000	0.0000	
7200 minute winter	SW50	15.001	SW51	0.0	0.000	0.000	0.0000	

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Results for 30 year +45% CC 7200 minute winter. 7440 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	SW51	60	11.672	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW52	60	11.200	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW53	60	11.900	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW54	60	11.271	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW55	3120	11.006	0.009	0.1	0.0006	0.0000	OK
7200 minute winter	SW56	4260	10.408	0.114	0.1	0.0000	0.0000	OK
7200 minute winter	SW57	4260	10.408	0.124	0.1	0.0352	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	SW51	15.002	SW52	0.0	0.000	0.000	0.0000	
7200 minute winter	SW52	15.003	SW47	0.0	0.000	0.000	0.0010	
7200 minute winter	SW53	16.000	SW54	0.0	0.000	0.000	0.0000	
7200 minute winter	SW54	16.001	SW52	0.0	0.000	0.000	0.0000	
7200 minute winter	SW55	17.001	SW56	0.1	0.288	0.017	0.0004	
7200 minute winter	SW56	Flow through Pond	SW57	0.1	0.004	0.000	4.0839	
7200 minute winter	SW57	17.002	SW40	0.1	0.467	0.010	0.0007	

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Results for 30 year +45% CC 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	SW1	5640	13.364	0.474	1.0	76.6105	0.0000	FLOOD RISK
8640 minute summer	SW2	5640	12.594	0.012	0.2	0.0033	0.0000	OK
8640 minute summer	SW3	5640	12.455	0.011	0.2	0.0030	0.0000	OK
8640 minute summer	SW4	5160	12.243	0.014	0.3	0.0000	0.0000	OK
8640 minute summer	SW5	3660	13.109	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	SW6	3660	13.041	0.009	0.1	0.0014	0.0000	OK
8640 minute summer	SW7	3660	12.952	0.009	0.1	0.0007	0.0000	OK
8640 minute summer	SW8	4800	12.632	0.377	0.1	0.0000	0.0000	OK
8640 minute summer	SW9	4800	12.632	0.389	0.1	0.1102	0.0000	SURCHARGED
8640 minute summer	SW10	4020	13.126	0.006	0.1	0.0000	0.0000	OK
8640 minute summer	SW11	4800	12.632	0.377	0.1	0.0000	0.0000	OK
8640 minute summer	SW12	5160	11.887	0.014	0.3	0.0039	0.0000	OK
8640 minute summer	SW13	5160	11.647	0.018	0.6	0.0152	0.0000	OK
8640 minute summer	SW14	5640	13.358	0.238	0.2	8.2496	0.0000	SURCHARGED
8640 minute summer	SW15	5640	12.901	0.009	0.1	0.0026	0.0000	OK
8640 minute summer	SW16	5640	12.831	0.009	0.1	0.0025	0.0000	OK
8640 minute summer	SW17	5640	12.687	0.010	0.2	0.0088	0.0000	OK
8640 minute summer	SW18	6240	13.282	0.412	1.0	87.1329	0.0000	FLOOD RISK
8640 minute summer	SW19	5580	12.565	0.012	0.3	0.0035	0.0000	OK
8640 minute summer	SW20	5580	12.797	0.227	0.2	8.4268	0.0000	SURCHARGED
8640 minute summer	SW21	5160	11.576	0.018	0.7	0.0052	0.0000	OK
8640 minute summer	SW22	5100	12.238	0.278	0.3	16.6325	0.0000	FLOOD RISK
8640 minute summer	SW23	5160	11.032	0.023	1.2	0.0066	0.0000	OK
8640 minute summer	SW24	4200	12.853	0.013	0.2	0.0000	0.0000	OK
8640 minute summer	SW25	4200	12.670	0.013	0.2	0.0035	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	SW1	1.000	SW2	0.2	0.334	0.012	0.0189	
8640 minute summer	SW2	1.001	SW3	0.2	0.348	0.012	0.0081	
8640 minute summer	SW3	1.002	SW4	0.2	0.346	0.010	0.0112	
8640 minute summer	SW4	1.008	SW12	0.3	0.381	0.017	0.0283	
8640 minute summer	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
8640 minute summer	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
8640 minute summer	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
8640 minute summer	SW8	Flow through Pond	SW9	0.1	0.002	0.000	6.5560	
8640 minute summer	SW9	1.007	SW4	0.1	0.215	0.017	0.0007	
8640 minute summer	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
8640 minute summer	SW11	Flow through Pond	SW9	0.1	0.002	0.000	6.5560	
8640 minute summer	SW12	1.009	SW13	0.3	0.313	0.017	0.0237	
8640 minute summer	SW13	1.010	SW21	0.6	0.425	0.012	0.0105	
8640 minute summer	SW14	2.000	SW15	0.1	0.287	0.017	0.0079	
8640 minute summer	SW15	2.001	SW16	0.1	0.287	0.017	0.0024	
8640 minute summer	SW16	2.002	SW17	0.1	0.267	0.017	0.0056	
8640 minute summer	SW17	2.003	SW19	0.2	0.389	0.009	0.0036	
8640 minute summer	SW18	3.000	SW17	0.1	0.364	0.005	0.0004	
8640 minute summer	SW19	2.004	SW13	0.3	0.491	0.013	0.0035	
8640 minute summer	SW20	4.000	SW19	0.1	0.224	0.016	0.0008	
8640 minute summer	SW21	1.011	SW23	0.7	0.403	0.014	0.0929	
8640 minute summer	SW22	5.000	SW21	0.1	0.190	0.011	0.0094	
8640 minute summer	SW23	6.010	SW40	1.2	0.586	0.021	0.0176	
8640 minute summer	SW24	6.000	SW25	0.2	0.355	0.033	0.0103	
8640 minute summer	SW25	6.001	SW26	0.2	0.355	0.033	0.0122	

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Results for 30 year +45% CC 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	SW26	4200	12.452	0.012	0.2	0.0000	0.0000	OK
8640 minute summer	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	SW28	4200	12.392	0.014	0.3	0.0121	0.0000	OK
8640 minute summer	SW29	3840	12.839	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	SW30	4200	12.356	0.014	0.3	0.0120	0.0000	OK
8640 minute summer	SW31	4980	12.078	0.420	0.3	0.0000	0.0000	OK
8640 minute summer	SW32	4980	12.078	0.424	0.2	0.1199	0.0000	SURCHARGED
8640 minute summer	SW33	5400	11.581	0.012	0.2	0.0104	0.0000	OK
8640 minute summer	SW34	5400	13.675	0.325	0.5	31.3615	0.0000	FLOOD RISK
8640 minute summer	SW35	5400	11.431	0.012	0.2	0.0034	0.0000	OK
8640 minute summer	SW36	5400	11.358	0.012	0.2	0.0034	0.0000	OK
8640 minute summer	SW37	5220	11.200	0.016	0.4	0.0135	0.0000	OK
8640 minute summer	SW38	5160	13.011	0.341	0.4	15.2495	0.0000	SURCHARGED
8640 minute summer	SW39	4980	12.674	0.374	0.3	14.5358	0.0000	SURCHARGED
8640 minute summer	SW40	5160	10.239	0.001	1.4	0.0006	0.0000	OK
8640 minute summer	SW41	4980	12.507	0.287	0.3	13.8798	0.0000	FLOOD RISK
8640 minute summer	SW42	3840	12.828	0.008	0.1	0.0000	0.0000	OK
8640 minute summer	SW43	4320	12.309	0.009	0.1	0.0026	0.0000	OK
8640 minute summer	SW44	3840	12.219	0.009	0.1	0.0026	0.0000	OK
8640 minute summer	SW45	4380	12.172	0.013	0.2	0.0036	0.0000	OK
8640 minute summer	SW46	4380	12.049	0.011	0.2	0.0031	0.0000	OK
8640 minute summer	SW47	4380	11.163	0.018	0.4	0.0050	0.0000	OK
8640 minute summer	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	SW49	4380	11.909	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	SW50	4380	11.810	0.009	0.1	0.0015	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	SW26	6.002	SW28	0.2	0.328	0.033	0.0038	
8640 minute summer	SW27	7.000	SW26	0.0	0.000	0.000	0.0011	
8640 minute summer	SW28	6.003	SW30	0.3	0.370	0.017	0.0029	
8640 minute summer	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
8640 minute summer	SW30	6.004	SW31	0.3	0.376	0.017	0.0031	
8640 minute summer	SW31	Flow through Pond	SW32	0.2	0.001	0.000	13.6249	
8640 minute summer	SW32	6.005	SW33	0.1	0.291	0.018	0.0013	
8640 minute summer	SW33	6.006	SW35	0.2	0.344	0.013	0.0098	
8640 minute summer	SW34	9.000	SW33	0.1	0.377	0.014	0.0005	
8640 minute summer	SW35	6.007	SW36	0.2	0.345	0.013	0.0048	
8640 minute summer	SW36	6.008	SW37	0.2	0.284	0.013	0.0130	
8640 minute summer	SW37	6.009	SW23	0.4	0.300	0.022	0.0235	
8640 minute summer	SW38	10.000	SW37	0.2	0.420	0.020	0.0006	
8640 minute summer	SW39	11.000	SW23	0.1	0.360	0.012	0.0004	
8640 minute summer	SW40	Pump		1.4				370.4
8640 minute summer	SW41	12.000	SW40	0.1	0.371	0.013	0.0006	
8640 minute summer	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
8640 minute summer	SW43	13.001	SW44	0.1	0.287	0.017	0.0032	
8640 minute summer	SW44	13.002	SW45	0.1	0.281	0.017	0.0024	
8640 minute summer	SW45	13.003	SW46	0.2	0.380	0.033	0.0064	
8640 minute summer	SW46	13.004	SW47	0.2	0.431	0.025	0.0065	
8640 minute summer	SW47	17.000	SW55	0.4	0.427	0.066	0.0139	
8640 minute summer	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
8640 minute summer	SW49	15.000	SW50	0.1	0.282	0.017	0.0035	
8640 minute summer	SW50	15.001	SW51	0.1	0.314	0.017	0.0041	

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Results for 30 year +45% CC 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	SW51	4380	11.680	0.008	0.1	0.0012	0.0000	OK
8640 minute summer	SW52	4380	11.213	0.013	0.2	0.0035	0.0000	OK
8640 minute summer	SW53	4200	11.909	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	SW54	4200	11.280	0.009	0.1	0.0026	0.0000	OK
8640 minute summer	SW55	4380	11.015	0.018	0.4	0.0013	0.0000	OK
8640 minute summer	SW56	4920	10.508	0.214	0.4	0.0000	0.0000	OK
8640 minute summer	SW57	4920	10.508	0.224	0.2	0.0634	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	SW51	15.002	SW52	0.1	0.242	0.012	0.0104	
8640 minute summer	SW52	15.003	SW47	0.2	0.272	0.033	0.0041	
8640 minute summer	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
8640 minute summer	SW54	16.001	SW52	0.1	0.287	0.017	0.0032	
8640 minute summer	SW55	17.001	SW56	0.4	0.431	0.066	0.0012	
8640 minute summer	SW56	Flow through Pond	SW57	0.2	0.004	0.000	7.4965	
8640 minute summer	SW57	17.002	SW40	0.1	0.512	0.013	0.0010	

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Results for 30 year +45% CC 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	SW1	6060	13.353	0.463	0.6	74.7109	0.0000	FLOOD RISK
8640 minute winter	SW2	6060	12.594	0.012	0.2	0.0033	0.0000	OK
8640 minute winter	SW3	6060	12.455	0.011	0.2	0.0030	0.0000	OK
8640 minute winter	SW4	5340	12.242	0.013	0.3	0.0000	0.0000	OK
8640 minute winter	SW5	3480	13.109	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	SW6	3480	13.041	0.009	0.1	0.0014	0.0000	OK
8640 minute winter	SW7	3480	12.952	0.009	0.1	0.0007	0.0000	OK
8640 minute winter	SW8	5280	12.477	0.222	0.1	0.0000	0.0000	OK
8640 minute winter	SW9	5280	12.477	0.234	0.1	0.0663	0.0000	SURCHARGED
8640 minute winter	SW10	60	13.120	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW11	5280	12.477	0.222	0.0	0.0000	0.0000	OK
8640 minute winter	SW12	5340	11.886	0.013	0.3	0.0037	0.0000	OK
8640 minute winter	SW13	5520	11.646	0.017	0.6	0.0145	0.0000	OK
8640 minute winter	SW14	6060	13.307	0.187	0.1	6.4477	0.0000	SURCHARGED
8640 minute winter	SW15	6060	12.901	0.009	0.1	0.0024	0.0000	OK
8640 minute winter	SW16	6060	12.831	0.008	0.1	0.0024	0.0000	OK
8640 minute winter	SW17	6060	12.687	0.010	0.2	0.0086	0.0000	OK
8640 minute winter	SW18	6540	13.271	0.401	0.6	84.6661	0.0000	FLOOD RISK
8640 minute winter	SW19	6000	12.565	0.012	0.3	0.0033	0.0000	OK
8640 minute winter	SW20	6000	12.750	0.180	0.1	6.6143	0.0000	SURCHARGED
8640 minute winter	SW21	5400	11.576	0.018	0.7	0.0050	0.0000	OK
8640 minute winter	SW22	5160	12.220	0.260	0.2	15.5348	0.0000	FLOOD RISK
8640 minute winter	SW23	5400	11.031	0.022	1.1	0.0063	0.0000	OK
8640 minute winter	SW24	4860	12.849	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	SW25	3900	12.666	0.009	0.1	0.0026	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	SW1	1.000	SW2	0.2	0.332	0.011	0.0187	
8640 minute winter	SW2	1.001	SW3	0.2	0.347	0.011	0.0080	
8640 minute winter	SW3	1.002	SW4	0.2	0.347	0.010	0.0106	
8640 minute winter	SW4	1.008	SW12	0.3	0.370	0.015	0.0263	
8640 minute winter	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
8640 minute winter	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
8640 minute winter	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
8640 minute winter	SW8	Flow through Pond	SW9	0.1	0.002	0.000	3.9034	
8640 minute winter	SW9	1.007	SW4	0.1	0.183	0.013	0.0006	
8640 minute winter	SW10	1.006	SW11	0.0	0.000	0.000	0.0000	
8640 minute winter	SW11	Flow through Pond	SW9	0.1	0.002	0.000	3.9034	
8640 minute winter	SW12	1.009	SW13	0.3	0.304	0.015	0.0220	
8640 minute winter	SW13	1.010	SW21	0.6	0.410	0.011	0.0098	
8640 minute winter	SW14	2.000	SW15	0.1	0.277	0.015	0.0073	
8640 minute winter	SW15	2.001	SW16	0.1	0.277	0.015	0.0022	
8640 minute winter	SW16	2.002	SW17	0.1	0.246	0.015	0.0052	
8640 minute winter	SW17	2.003	SW19	0.2	0.385	0.008	0.0034	
8640 minute winter	SW18	3.000	SW17	0.1	0.362	0.005	0.0004	
8640 minute winter	SW19	2.004	SW13	0.3	0.479	0.012	0.0033	
8640 minute winter	SW20	4.000	SW19	0.1	0.210	0.014	0.0007	
8640 minute winter	SW21	1.011	SW23	0.7	0.392	0.012	0.0872	
8640 minute winter	SW22	5.000	SW21	0.1	0.194	0.011	0.0089	
8640 minute winter	SW23	6.010	SW40	1.1	0.571	0.019	0.0166	
8640 minute winter	SW24	6.000	SW25	0.1	0.289	0.017	0.0063	
8640 minute winter	SW25	6.001	SW26	0.1	0.289	0.017	0.0076	

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Results for 30 year +45% CC 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	SW26	2820	12.449	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW28	3960	12.389	0.011	0.2	0.0099	0.0000	OK
8640 minute winter	SW29	3960	12.839	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	SW30	3960	12.353	0.011	0.2	0.0099	0.0000	OK
8640 minute winter	SW31	5880	11.996	0.338	0.2	0.0000	0.0000	OK
8640 minute winter	SW32	5880	11.996	0.342	0.1	0.0969	0.0000	SURCHARGED
8640 minute winter	SW33	5700	11.581	0.012	0.2	0.0101	0.0000	OK
8640 minute winter	SW34	5700	13.674	0.324	0.3	31.1910	0.0000	FLOOD RISK
8640 minute winter	SW35	5700	11.431	0.012	0.2	0.0033	0.0000	OK
8640 minute winter	SW36	5700	11.358	0.012	0.2	0.0033	0.0000	OK
8640 minute winter	SW37	5400	11.199	0.015	0.4	0.0130	0.0000	OK
8640 minute winter	SW38	5340	12.942	0.272	0.2	12.1285	0.0000	SURCHARGED
8640 minute winter	SW39	6300	12.648	0.348	0.2	13.4880	0.0000	SURCHARGED
8640 minute winter	SW40	5340	10.239	0.001	1.3	0.0006	0.0000	OK
8640 minute winter	SW41	4980	12.482	0.262	0.2	12.6463	0.0000	SURCHARGED
8640 minute winter	SW42	3960	12.828	0.008	0.1	0.0000	0.0000	OK
8640 minute winter	SW43	3960	12.309	0.009	0.1	0.0026	0.0000	OK
8640 minute winter	SW44	3960	12.219	0.009	0.1	0.0026	0.0000	OK
8640 minute winter	SW45	3960	12.168	0.009	0.1	0.0026	0.0000	OK
8640 minute winter	SW46	3960	12.046	0.008	0.1	0.0022	0.0000	OK
8640 minute winter	SW47	3960	11.154	0.009	0.1	0.0026	0.0000	OK
8640 minute winter	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW49	60	11.900	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW50	60	11.801	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	SW26	6.002	SW28	0.1	0.304	0.017	0.0026	
8640 minute winter	SW27	7.000	SW26	0.0	0.000	0.000	0.0007	
8640 minute winter	SW28	6.003	SW30	0.2	0.328	0.011	0.0022	
8640 minute winter	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
8640 minute winter	SW30	6.004	SW31	0.2	0.332	0.011	0.0023	
8640 minute winter	SW31	Flow through Pond	SW32	0.1	0.001	0.000	10.9964	
8640 minute winter	SW32	6.005	SW33	0.1	0.282	0.016	0.0012	
8640 minute winter	SW33	6.006	SW35	0.2	0.339	0.012	0.0095	
8640 minute winter	SW34	9.000	SW33	0.1	0.377	0.014	0.0005	
8640 minute winter	SW35	6.007	SW36	0.2	0.340	0.012	0.0046	
8640 minute winter	SW36	6.008	SW37	0.2	0.285	0.012	0.0124	
8640 minute winter	SW37	6.009	SW23	0.4	0.293	0.021	0.0221	
8640 minute winter	SW38	10.000	SW37	0.2	0.406	0.018	0.0005	
8640 minute winter	SW39	11.000	SW23	0.1	0.356	0.011	0.0004	
8640 minute winter	SW40	Pump		1.3				370.6
8640 minute winter	SW41	12.000	SW40	0.1	0.365	0.012	0.0006	
8640 minute winter	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
8640 minute winter	SW43	13.001	SW44	0.1	0.286	0.017	0.0032	
8640 minute winter	SW44	13.002	SW45	0.1	0.281	0.017	0.0018	
8640 minute winter	SW45	13.003	SW46	0.1	0.310	0.017	0.0039	
8640 minute winter	SW46	13.004	SW47	0.1	0.349	0.012	0.0040	
8640 minute winter	SW47	17.000	SW55	0.1	0.286	0.017	0.0052	
8640 minute winter	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
8640 minute winter	SW49	15.000	SW50	0.0	0.000	0.000	0.0000	
8640 minute winter	SW50	15.001	SW51	0.0	0.000	0.000	0.0000	

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Results for 30 year +45% CC 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	SW51	60	11.672	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW52	60	11.200	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW53	60	11.900	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW54	60	11.271	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW55	3960	11.006	0.009	0.1	0.0006	0.0000	OK
8640 minute winter	SW56	4860	10.390	0.096	0.1	0.0000	0.0000	OK
8640 minute winter	SW57	4860	10.390	0.106	0.1	0.0300	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	SW51	15.002	SW52	0.0	0.000	0.000	0.0000	
8640 minute winter	SW52	15.003	SW47	0.0	0.000	0.000	0.0010	
8640 minute winter	SW53	16.000	SW54	0.0	0.000	0.000	0.0000	
8640 minute winter	SW54	16.001	SW52	0.0	0.000	0.000	0.0000	
8640 minute winter	SW55	17.001	SW56	0.1	0.288	0.017	0.0004	
8640 minute winter	SW56	Flow through Pond	SW57	0.1	0.004	0.000	3.4608	
8640 minute winter	SW57	17.002	SW40	0.1	0.458	0.009	0.0007	

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Results for 30 year +45% CC 10080 minute summer. 10320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	SW1	6480	13.373	0.483	0.9	78.1225	0.0000	FLOOD RISK
10080 minute summer	SW2	6480	12.594	0.012	0.2	0.0033	0.0000	OK
10080 minute summer	SW3	6480	12.455	0.011	0.2	0.0031	0.0000	OK
10080 minute summer	SW4	5940	12.243	0.014	0.3	0.0000	0.0000	OK
10080 minute summer	SW5	4320	13.109	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	SW6	4320	13.041	0.009	0.1	0.0014	0.0000	OK
10080 minute summer	SW7	4320	12.952	0.009	0.1	0.0007	0.0000	OK
10080 minute summer	SW8	5520	12.639	0.383	0.1	0.0000	0.0000	OK
10080 minute summer	SW9	5520	12.638	0.395	0.1	0.1119	0.0000	SURCHARGED
10080 minute summer	SW10	4740	13.126	0.006	0.1	0.0000	0.0000	OK
10080 minute summer	SW11	5520	12.638	0.383	0.1	0.0000	0.0000	OK
10080 minute summer	SW12	5940	11.887	0.014	0.3	0.0039	0.0000	OK
10080 minute summer	SW13	5940	11.647	0.018	0.6	0.0153	0.0000	OK
10080 minute summer	SW14	5460	13.363	0.243	0.2	8.4281	0.0000	SURCHARGED
10080 minute summer	SW15	5460	12.901	0.009	0.1	0.0026	0.0000	OK
10080 minute summer	SW16	5460	12.831	0.009	0.1	0.0026	0.0000	OK
10080 minute summer	SW17	6480	12.687	0.010	0.2	0.0089	0.0000	OK
10080 minute summer	SW18	7080	13.292	0.422	0.9	89.2206	0.0000	FLOOD RISK
10080 minute summer	SW19	6420	12.565	0.012	0.3	0.0035	0.0000	OK
10080 minute summer	SW20	6420	12.790	0.220	0.2	8.1515	0.0000	SURCHARGED
10080 minute summer	SW21	5940	11.576	0.018	0.7	0.0052	0.0000	OK
10080 minute summer	SW22	5820	12.233	0.273	0.3	16.3601	0.0000	FLOOD RISK
10080 minute summer	SW23	5940	11.032	0.023	1.2	0.0065	0.0000	OK
10080 minute summer	SW24	4980	12.853	0.013	0.2	0.0000	0.0000	OK
10080 minute summer	SW25	4980	12.670	0.013	0.2	0.0035	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	SW1	1.000	SW2	0.2	0.335	0.012	0.0190	
10080 minute summer	SW2	1.001	SW3	0.2	0.349	0.012	0.0081	
10080 minute summer	SW3	1.002	SW4	0.2	0.347	0.010	0.0112	
10080 minute summer	SW4	1.008	SW12	0.3	0.382	0.017	0.0284	
10080 minute summer	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
10080 minute summer	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
10080 minute summer	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
10080 minute summer	SW8	Flow through Pond	SW9	0.1	0.002	0.000	6.6588	
10080 minute summer	SW9	1.007	SW4	0.1	0.215	0.017	0.0007	
10080 minute summer	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
10080 minute summer	SW11	Flow through Pond	SW9	0.1	0.002	0.000	6.6588	
10080 minute summer	SW12	1.009	SW13	0.3	0.314	0.017	0.0238	
10080 minute summer	SW13	1.010	SW21	0.6	0.426	0.012	0.0105	
10080 minute summer	SW14	2.000	SW15	0.1	0.288	0.017	0.0080	
10080 minute summer	SW15	2.001	SW16	0.1	0.288	0.017	0.0024	
10080 minute summer	SW16	2.002	SW17	0.1	0.268	0.017	0.0056	
10080 minute summer	SW17	2.003	SW19	0.2	0.392	0.009	0.0036	
10080 minute summer	SW18	3.000	SW17	0.1	0.365	0.005	0.0004	
10080 minute summer	SW19	2.004	SW13	0.3	0.491	0.013	0.0035	
10080 minute summer	SW20	4.000	SW19	0.1	0.221	0.016	0.0008	
10080 minute summer	SW21	1.011	SW23	0.7	0.405	0.014	0.0927	
10080 minute summer	SW22	5.000	SW21	0.1	0.189	0.011	0.0094	
10080 minute summer	SW23	6.010	SW40	1.2	0.584	0.021	0.0176	
10080 minute summer	SW24	6.000	SW25	0.2	0.355	0.033	0.0103	
10080 minute summer	SW25	6.001	SW26	0.2	0.355	0.033	0.0122	

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Results for 30 year +45% CC 10080 minute summer. 10320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	SW26	4980	12.452	0.012	0.2	0.0000	0.0000	OK
10080 minute summer	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SW28	4980	12.392	0.014	0.3	0.0121	0.0000	OK
10080 minute summer	SW29	4560	12.839	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	SW30	4980	12.356	0.014	0.3	0.0120	0.0000	OK
10080 minute summer	SW31	5700	12.067	0.409	0.3	0.0000	0.0000	OK
10080 minute summer	SW32	5700	12.067	0.413	0.2	0.1168	0.0000	SURCHARGED
10080 minute summer	SW33	6240	11.581	0.012	0.2	0.0103	0.0000	OK
10080 minute summer	SW34	6240	13.677	0.327	0.4	31.5649	0.0000	FLOOD RISK
10080 minute summer	SW35	6240	11.431	0.012	0.2	0.0034	0.0000	OK
10080 minute summer	SW36	6240	11.358	0.012	0.2	0.0034	0.0000	OK
10080 minute summer	SW37	6000	11.199	0.015	0.4	0.0134	0.0000	OK
10080 minute summer	SW38	5940	12.994	0.324	0.3	14.4965	0.0000	SURCHARGED
10080 minute summer	SW39	6840	12.653	0.353	0.3	13.6979	0.0000	SURCHARGED
10080 minute summer	SW40	5940	10.239	0.001	1.4	0.0006	0.0000	OK
10080 minute summer	SW41	5700	12.488	0.268	0.3	12.9683	0.0000	SURCHARGED
10080 minute summer	SW42	4560	12.828	0.008	0.1	0.0000	0.0000	OK
10080 minute summer	SW43	4560	12.309	0.009	0.1	0.0026	0.0000	OK
10080 minute summer	SW44	4560	12.219	0.009	0.1	0.0026	0.0000	OK
10080 minute summer	SW45	4560	12.168	0.009	0.1	0.0026	0.0000	OK
10080 minute summer	SW46	4560	12.046	0.008	0.1	0.0022	0.0000	OK
10080 minute summer	SW47	4980	11.158	0.013	0.2	0.0035	0.0000	OK
10080 minute summer	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SW49	60	11.900	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SW50	60	11.801	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	SW26	6.002	SW28	0.2	0.328	0.033	0.0038	
10080 minute summer	SW27	7.000	SW26	0.0	0.000	0.000	0.0011	
10080 minute summer	SW28	6.003	SW30	0.3	0.370	0.017	0.0029	
10080 minute summer	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
10080 minute summer	SW30	6.004	SW31	0.3	0.376	0.017	0.0031	
10080 minute summer	SW31	Flow through Pond	SW32	0.2	0.001	0.000	13.2739	
10080 minute summer	SW32	6.005	SW33	0.1	0.290	0.018	0.0013	
10080 minute summer	SW33	6.006	SW35	0.2	0.344	0.013	0.0098	
10080 minute summer	SW34	9.000	SW33	0.1	0.378	0.014	0.0005	
10080 minute summer	SW35	6.007	SW36	0.2	0.344	0.013	0.0048	
10080 minute summer	SW36	6.008	SW37	0.2	0.285	0.013	0.0129	
10080 minute summer	SW37	6.009	SW23	0.4	0.297	0.022	0.0233	
10080 minute summer	SW38	10.000	SW37	0.2	0.417	0.020	0.0006	
10080 minute summer	SW39	11.000	SW23	0.1	0.357	0.012	0.0004	
10080 minute summer	SW40	Pump		1.4				404.8
10080 minute summer	SW41	12.000	SW40	0.1	0.367	0.012	0.0006	
10080 minute summer	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
10080 minute summer	SW43	13.001	SW44	0.1	0.286	0.017	0.0032	
10080 minute summer	SW44	13.002	SW45	0.1	0.281	0.017	0.0018	
10080 minute summer	SW45	13.003	SW46	0.1	0.310	0.017	0.0039	
10080 minute summer	SW46	13.004	SW47	0.1	0.349	0.012	0.0040	
10080 minute summer	SW47	17.000	SW55	0.2	0.350	0.033	0.0085	
10080 minute summer	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
10080 minute summer	SW49	15.000	SW50	0.0	0.000	0.000	0.0000	
10080 minute summer	SW50	15.001	SW51	0.0	0.000	0.000	0.0000	

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Results for 30 year +45% CC 10080 minute summer. 10320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	SW51	60	11.672	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SW52	4980	11.209	0.009	0.1	0.0026	0.0000	OK
10080 minute summer	SW53	4980	11.909	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	SW54	4980	11.280	0.009	0.1	0.0026	0.0000	OK
10080 minute summer	SW55	4980	11.010	0.013	0.2	0.0009	0.0000	OK
10080 minute summer	SW56	5640	10.457	0.163	0.2	0.0000	0.0000	OK
10080 minute summer	SW57	5640	10.457	0.173	0.1	0.0490	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	SW51	15.002	SW52	0.0	0.000	0.000	0.0043	
10080 minute summer	SW52	15.003	SW47	0.1	0.222	0.017	0.0025	
10080 minute summer	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
10080 minute summer	SW54	16.001	SW52	0.1	0.287	0.017	0.0025	
10080 minute summer	SW55	17.001	SW56	0.2	0.353	0.033	0.0007	
10080 minute summer	SW56	Flow through Pond	SW57	0.1	0.004	0.000	5.7529	
10080 minute summer	SW57	17.002	SW40	0.1	0.491	0.011	0.0009	

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Results for 30 year +45% CC 10080 minute winter. 10320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	SW1	6900	13.360	0.470	0.6	75.8854	0.0000	FLOOD RISK
10080 minute winter	SW2	6900	12.594	0.012	0.2	0.0033	0.0000	OK
10080 minute winter	SW3	6900	12.455	0.011	0.2	0.0030	0.0000	OK
10080 minute winter	SW4	6000	12.242	0.013	0.3	0.0000	0.0000	OK
10080 minute winter	SW5	4260	13.109	0.009	0.1	0.0000	0.0000	OK
10080 minute winter	SW6	4260	13.041	0.009	0.1	0.0014	0.0000	OK
10080 minute winter	SW7	4260	12.952	0.009	0.1	0.0007	0.0000	OK
10080 minute winter	SW8	5940	12.470	0.215	0.1	0.0000	0.0000	OK
10080 minute winter	SW9	5940	12.470	0.227	0.1	0.0642	0.0000	SURCHARGED
10080 minute winter	SW10	60	13.120	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW11	5940	12.470	0.215	0.0	0.0000	0.0000	OK
10080 minute winter	SW12	6000	11.886	0.013	0.3	0.0037	0.0000	OK
10080 minute winter	SW13	6120	11.646	0.017	0.6	0.0145	0.0000	OK
10080 minute winter	SW14	6960	13.313	0.193	0.1	6.6859	0.0000	SURCHARGED
10080 minute winter	SW15	6960	12.901	0.009	0.1	0.0024	0.0000	OK
10080 minute winter	SW16	6960	12.831	0.009	0.1	0.0024	0.0000	OK
10080 minute winter	SW17	6960	12.687	0.010	0.2	0.0087	0.0000	OK
10080 minute winter	SW18	7500	13.281	0.411	0.6	86.8606	0.0000	FLOOD RISK
10080 minute winter	SW19	6840	12.565	0.012	0.3	0.0034	0.0000	OK
10080 minute winter	SW20	6840	12.755	0.185	0.1	6.8015	0.0000	SURCHARGED
10080 minute winter	SW21	6060	11.576	0.018	0.7	0.0050	0.0000	OK
10080 minute winter	SW22	5820	12.215	0.255	0.2	15.2407	0.0000	FLOOD RISK
10080 minute winter	SW23	6180	11.031	0.022	1.1	0.0062	0.0000	OK
10080 minute winter	SW24	5400	12.849	0.009	0.1	0.0000	0.0000	OK
10080 minute winter	SW25	4800	12.666	0.009	0.1	0.0026	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	SW1	1.000	SW2	0.2	0.333	0.011	0.0188	
10080 minute winter	SW2	1.001	SW3	0.2	0.348	0.011	0.0081	
10080 minute winter	SW3	1.002	SW4	0.2	0.350	0.010	0.0106	
10080 minute winter	SW4	1.008	SW12	0.3	0.369	0.015	0.0262	
10080 minute winter	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
10080 minute winter	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
10080 minute winter	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
10080 minute winter	SW8	Flow through Pond	SW9	0.1	0.002	0.000	3.7748	
10080 minute winter	SW9	1.007	SW4	0.1	0.181	0.013	0.0006	
10080 minute winter	SW10	1.006	SW11	0.0	0.000	0.000	0.0000	
10080 minute winter	SW11	Flow through Pond	SW9	0.1	0.002	0.000	3.7748	
10080 minute winter	SW12	1.009	SW13	0.3	0.303	0.015	0.0219	
10080 minute winter	SW13	1.010	SW21	0.6	0.410	0.011	0.0097	
10080 minute winter	SW14	2.000	SW15	0.1	0.278	0.015	0.0074	
10080 minute winter	SW15	2.001	SW16	0.1	0.278	0.015	0.0022	
10080 minute winter	SW16	2.002	SW17	0.1	0.247	0.015	0.0053	
10080 minute winter	SW17	2.003	SW19	0.2	0.388	0.009	0.0034	
10080 minute winter	SW18	3.000	SW17	0.1	0.364	0.005	0.0004	
10080 minute winter	SW19	2.004	SW13	0.3	0.481	0.012	0.0033	
10080 minute winter	SW20	4.000	SW19	0.1	0.211	0.015	0.0007	
10080 minute winter	SW21	1.011	SW23	0.7	0.393	0.012	0.0866	
10080 minute winter	SW22	5.000	SW21	0.1	0.194	0.010	0.0089	
10080 minute winter	SW23	6.010	SW40	1.1	0.569	0.019	0.0164	
10080 minute winter	SW24	6.000	SW25	0.1	0.289	0.017	0.0063	
10080 minute winter	SW25	6.001	SW26	0.1	0.289	0.017	0.0076	

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Results for 30 year +45% CC 10080 minute winter. 10320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	SW26	3420	12.449	0.009	0.1	0.0000	0.0000	OK
10080 minute winter	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW28	4860	12.389	0.011	0.2	0.0099	0.0000	OK
10080 minute winter	SW29	4860	12.839	0.009	0.1	0.0000	0.0000	OK
10080 minute winter	SW30	4860	12.353	0.011	0.2	0.0099	0.0000	OK
10080 minute winter	SW31	6780	11.961	0.303	0.2	0.0000	0.0000	OK
10080 minute winter	SW32	6780	11.961	0.307	0.1	0.0869	0.0000	SURCHARGED
10080 minute winter	SW33	6780	11.580	0.011	0.2	0.0100	0.0000	OK
10080 minute winter	SW34	6540	13.664	0.314	0.3	30.2124	0.0000	FLOOD RISK
10080 minute winter	SW35	6780	11.431	0.012	0.2	0.0033	0.0000	OK
10080 minute winter	SW36	6780	11.357	0.011	0.2	0.0032	0.0000	OK
10080 minute winter	SW37	6180	11.199	0.015	0.4	0.0128	0.0000	OK
10080 minute winter	SW38	6120	12.952	0.282	0.2	12.5535	0.0000	SURCHARGED
10080 minute winter	SW39	7260	12.622	0.322	0.2	12.4956	0.0000	SURCHARGED
10080 minute winter	SW40	6120	10.239	0.001	1.2	0.0005	0.0000	OK
10080 minute winter	SW41	7260	12.454	0.234	0.2	11.2725	0.0000	SURCHARGED
10080 minute winter	SW42	4860	12.828	0.008	0.1	0.0000	0.0000	OK
10080 minute winter	SW43	4860	12.309	0.009	0.1	0.0026	0.0000	OK
10080 minute winter	SW44	4860	12.219	0.009	0.1	0.0026	0.0000	OK
10080 minute winter	SW45	4860	12.168	0.009	0.1	0.0026	0.0000	OK
10080 minute winter	SW46	4860	12.046	0.008	0.1	0.0022	0.0000	OK
10080 minute winter	SW47	4860	11.154	0.009	0.1	0.0026	0.0000	OK
10080 minute winter	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW49	60	11.900	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW50	60	11.801	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	SW26	6.002	SW28	0.1	0.304	0.017	0.0026	
10080 minute winter	SW27	7.000	SW26	0.0	0.000	0.000	0.0007	
10080 minute winter	SW28	6.003	SW30	0.2	0.328	0.011	0.0022	
10080 minute winter	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
10080 minute winter	SW30	6.004	SW31	0.2	0.332	0.011	0.0023	
10080 minute winter	SW31	Flow through Pond	SW32	0.1	0.001	0.000	9.8577	
10080 minute winter	SW32	6.005	SW33	0.1	0.278	0.015	0.0012	
10080 minute winter	SW33	6.006	SW35	0.2	0.335	0.012	0.0092	
10080 minute winter	SW34	9.000	SW33	0.1	0.375	0.013	0.0005	
10080 minute winter	SW35	6.007	SW36	0.2	0.336	0.012	0.0045	
10080 minute winter	SW36	6.008	SW37	0.2	0.280	0.012	0.0122	
10080 minute winter	SW37	6.009	SW23	0.4	0.291	0.020	0.0219	
10080 minute winter	SW38	10.000	SW37	0.2	0.408	0.018	0.0005	
10080 minute winter	SW39	11.000	SW23	0.1	0.352	0.011	0.0004	
10080 minute winter	SW40	Pump		1.2				404.2
10080 minute winter	SW41	12.000	SW40	0.1	0.359	0.012	0.0006	
10080 minute winter	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
10080 minute winter	SW43	13.001	SW44	0.1	0.286	0.017	0.0032	
10080 minute winter	SW44	13.002	SW45	0.1	0.281	0.017	0.0018	
10080 minute winter	SW45	13.003	SW46	0.1	0.310	0.017	0.0039	
10080 minute winter	SW46	13.004	SW47	0.1	0.349	0.012	0.0040	
10080 minute winter	SW47	17.000	SW55	0.1	0.286	0.017	0.0052	
10080 minute winter	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
10080 minute winter	SW49	15.000	SW50	0.0	0.000	0.000	0.0000	
10080 minute winter	SW50	15.001	SW51	0.0	0.000	0.000	0.0000	

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Results for 30 year +45% CC 10080 minute winter. 10320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	SW51	60	11.672	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW52	60	11.200	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW53	60	11.900	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW54	60	11.271	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW55	4860	11.006	0.009	0.1	0.0006	0.0000	OK
10080 minute winter	SW56	5400	10.358	0.065	0.1	0.0000	0.0000	OK
10080 minute winter	SW57	5400	10.359	0.075	0.1	0.0212	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	SW51	15.002	SW52	0.0	0.000	0.000	0.0000	
10080 minute winter	SW52	15.003	SW47	0.0	0.000	0.000	0.0010	
10080 minute winter	SW53	16.000	SW54	0.0	0.000	0.000	0.0000	
10080 minute winter	SW54	16.001	SW52	0.0	0.000	0.000	0.0000	
10080 minute winter	SW55	17.001	SW56	0.1	0.288	0.017	0.0004	
10080 minute winter	SW56	Flow through Pond	SW57	0.1	0.004	0.000	2.3865	
10080 minute winter	SW57	17.002	SW40	0.0	0.429	0.007	0.0006	

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Results for 100 year +45% CC 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.60%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW1	20	13.077	0.187	69.1	29.7510	0.0000	SURCHARGED
15 minute summer	SW2	23	12.591	0.009	0.1	0.0026	0.0000	OK
15 minute summer	SW3	25	12.453	0.009	0.1	0.0024	0.0000	OK
15 minute summer	SW4	24	12.241	0.012	0.2	0.0000	0.0000	OK
15 minute summer	SW5	11	13.298	0.198	7.8	0.0000	0.0000	SURCHARGED
15 minute summer	SW6	12	13.186	0.154	7.2	0.0245	0.0000	SURCHARGED
15 minute summer	SW7	12	13.045	0.102	6.9	0.0072	0.0000	SURCHARGED
15 minute summer	SW8	22	12.534	0.279	6.9	0.0000	0.0000	OK
15 minute summer	SW9	22	12.534	0.291	6.5	0.0825	0.0000	SURCHARGED
15 minute summer	SW10	10	13.162	0.042	5.2	0.0000	0.0000	OK
15 minute summer	SW11	22	12.534	0.279	5.2	0.0000	0.0000	OK
15 minute summer	SW12	27	11.885	0.012	0.2	0.0033	0.0000	OK
15 minute summer	SW13	26	11.644	0.015	0.5	0.0132	0.0000	OK
15 minute summer	SW14	20	13.302	0.182	14.7	6.2869	0.0000	SURCHARGED
15 minute summer	SW15	22	12.900	0.008	0.1	0.0024	0.0000	OK
15 minute summer	SW16	23	12.830	0.008	0.1	0.0024	0.0000	OK
15 minute summer	SW17	24	12.686	0.009	0.2	0.0075	0.0000	OK
15 minute summer	SW18	20	13.007	0.137	65.6	28.3093	0.0000	OK
15 minute summer	SW19	24	12.564	0.011	0.2	0.0030	0.0000	OK
15 minute summer	SW20	20	12.731	0.161	13.8	5.9040	0.0000	SURCHARGED
15 minute summer	SW21	28	11.574	0.016	0.5	0.0045	0.0000	OK
15 minute summer	SW22	20	12.111	0.151	20.7	8.9023	0.0000	SURCHARGED
15 minute summer	SW23	28	11.029	0.020	0.9	0.0057	0.0000	OK
15 minute summer	SW24	10	13.340	0.500	13.0	0.0000	0.0000	FLOOD RISK
15 minute summer	SW25	13	13.261	0.604	9.8	0.1710	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	SW1	1.000	SW2	0.1	0.288	0.007	0.0135	
15 minute summer	SW2	1.001	SW3	0.1	0.301	0.007	0.0058	
15 minute summer	SW3	1.002	SW4	0.1	0.252	0.006	0.0086	
15 minute summer	SW4	1.008	SW12	0.2	0.356	0.012	0.0225	
15 minute summer	SW5	1.003	SW6	7.2	0.916	1.188	0.0532	
15 minute summer	SW6	1.004	SW7	6.9	0.884	1.146	0.0693	
15 minute summer	SW7	1.005	SW8	6.9	0.914	1.151	0.0078	
15 minute summer	SW8	Flow through Pond	SW9	6.5	0.083	0.002	4.8788	
15 minute summer	SW9	1.007	SW4	0.1	0.301	0.015	0.0006	
15 minute summer	SW10	1.006	SW11	5.2	1.652	0.368	0.0104	
15 minute summer	SW11	Flow through Pond	SW9	6.5	0.083	0.002	4.8788	
15 minute summer	SW12	1.009	SW13	0.2	0.280	0.012	0.0191	
15 minute summer	SW13	1.010	SW21	0.5	0.388	0.009	0.0084	
15 minute summer	SW14	2.000	SW15	0.1	0.276	0.014	0.0072	
15 minute summer	SW15	2.001	SW16	0.1	0.307	0.014	0.0022	
15 minute summer	SW16	2.002	SW17	0.1	0.272	0.014	0.0047	
15 minute summer	SW17	2.003	SW19	0.2	0.345	0.006	0.0029	
15 minute summer	SW18	3.000	SW17	0.1	0.313	0.003	0.0003	
15 minute summer	SW19	2.004	SW13	0.2	0.448	0.010	0.0028	
15 minute summer	SW20	4.000	SW19	0.1	0.267	0.014	0.0006	
15 minute summer	SW21	1.011	SW23	0.5	0.364	0.010	0.0754	
15 minute summer	SW22	5.000	SW21	0.1	0.382	0.008	0.0077	
15 minute summer	SW23	6.010	SW40	0.9	0.540	0.016	0.0144	
15 minute summer	SW24	6.000	SW25	9.8	1.259	1.631	0.1432	
15 minute summer	SW25	6.001	SW26	8.9	1.142	1.480	0.1699	

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Results for 100 year +45% CC 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.60%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW26	12	12.734	0.294	10.6	0.0000	0.0000	SURCHARGED
15 minute summer	SW27	10	12.825	0.025	2.6	0.0000	0.0000	OK
15 minute summer	SW28	11	12.513	0.135	15.6	0.1165	0.0000	OK
15 minute summer	SW29	10	12.916	0.086	6.0	0.0000	0.0000	OK
15 minute summer	SW30	12	12.459	0.117	15.5	0.1017	0.0000	OK
15 minute summer	SW31	25	11.940	0.282	15.5	0.0000	0.0000	OK
15 minute summer	SW32	25	11.940	0.286	9.3	0.0809	0.0000	SURCHARGED
15 minute summer	SW33	25	11.579	0.010	0.2	0.0090	0.0000	OK
15 minute summer	SW34	20	13.492	0.142	31.1	13.3829	0.0000	SURCHARGED
15 minute summer	SW35	26	11.429	0.010	0.2	0.0030	0.0000	OK
15 minute summer	SW36	27	11.356	0.010	0.2	0.0029	0.0000	OK
15 minute summer	SW37	26	11.198	0.014	0.3	0.0120	0.0000	OK
15 minute summer	SW38	20	12.911	0.241	25.0	10.7060	0.0000	SURCHARGED
15 minute summer	SW39	20	12.512	0.212	19.0	8.1571	0.0000	SURCHARGED
15 minute summer	SW40	6	10.239	0.001	1.1	0.0006	0.0000	OK
15 minute summer	SW41	20	12.390	0.170	19.0	8.1517	0.0000	SURCHARGED
15 minute summer	SW42	10	12.886	0.066	6.0	0.0000	0.0000	OK
15 minute summer	SW43	12	12.515	0.215	6.0	0.0609	0.0000	SURCHARGED
15 minute summer	SW44	12	12.442	0.232	5.2	0.0657	0.0000	SURCHARGED
15 minute summer	SW45	12	12.400	0.241	7.7	0.0681	0.0000	SURCHARGED
15 minute summer	SW46	13	12.208	0.170	8.7	0.0480	0.0000	SURCHARGED
15 minute summer	SW47	13	11.931	0.786	13.5	0.2225	0.0000	SURCHARGED
15 minute summer	SW48	10	11.946	0.046	2.6	0.0000	0.0000	OK
15 minute summer	SW49	13	12.006	0.106	3.5	0.0000	0.0000	SURCHARGED
15 minute summer	SW50	14	12.002	0.201	5.2	0.0319	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	SW26	6.002	SW28	10.6	1.359	1.761	0.0484	
15 minute summer	SW27	7.000	SW26	2.6	0.927	0.139	0.0180	
15 minute summer	SW28	6.003	SW30	15.5	0.984	0.874	0.0565	
15 minute summer	SW29	8.000	SW28	5.9	0.859	0.985	0.0339	
15 minute summer	SW30	6.004	SW31	15.5	1.092	0.876	0.0546	
15 minute summer	SW31	Flow through Pond	SW32	9.3	0.022	0.000	9.1758	
15 minute summer	SW32	6.005	SW33	0.1	0.275	0.015	0.0012	
15 minute summer	SW33	6.006	SW35	0.2	0.313	0.009	0.0079	
15 minute summer	SW34	9.000	SW33	0.1	0.332	0.009	0.0004	
15 minute summer	SW35	6.007	SW36	0.2	0.339	0.009	0.0039	
15 minute summer	SW36	6.008	SW37	0.2	0.250	0.009	0.0108	
15 minute summer	SW37	6.009	SW23	0.3	0.315	0.017	0.0194	
15 minute summer	SW38	10.000	SW37	0.1	0.399	0.017	0.0005	
15 minute summer	SW39	11.000	SW23	0.1	0.331	0.009	0.0003	
15 minute summer	SW40	Pump		1.1				15.4
15 minute summer	SW41	12.000	SW40	0.1	0.342	0.010	0.0005	
15 minute summer	SW42	13.000	SW43	6.0	1.134	0.696	0.0188	
15 minute summer	SW43	13.001	SW44	5.2	0.764	0.855	0.0705	
15 minute summer	SW44	13.002	SW45	4.7	0.599	0.776	0.0402	
15 minute summer	SW45	13.003	SW46	7.2	0.918	1.190	0.0945	
15 minute summer	SW46	13.004	SW47	8.3	1.088	1.036	0.1100	
15 minute summer	SW47	17.000	SW55	12.6	1.607	2.082	0.1160	
15 minute summer	SW48	14.000	SW47	2.6	0.734	0.427	0.0752	
15 minute summer	SW49	15.000	SW50	3.5	0.651	0.574	0.0775	
15 minute summer	SW50	15.001	SW51	5.1	0.925	0.853	0.1011	

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Results for 100 year +45% CC 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.60%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW51	14	11.987	0.315	5.1	0.0501	0.0000	SURCHARGED
15 minute summer	SW52	14	11.956	0.756	5.5	0.2139	0.0000	SURCHARGED
15 minute summer	SW53	10	11.966	0.066	4.3	0.0000	0.0000	OK
15 minute summer	SW54	13	11.964	0.693	4.3	0.1961	0.0000	SURCHARGED
15 minute summer	SW55	13	11.172	0.175	12.6	0.0124	0.0000	SURCHARGED
15 minute summer	SW56	26	10.577	0.283	12.5	0.0000	0.0000	OK
15 minute summer	SW57	27	10.577	0.293	12.3	0.0829	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	SW51	15.002	SW52	4.4	0.654	0.528	0.1930	
15 minute summer	SW52	15.003	SW47	7.1	0.903	1.170	0.0434	
15 minute summer	SW53	16.000	SW54	4.3	0.807	0.706	0.0224	
15 minute summer	SW54	16.001	SW52	2.6	0.517	0.425	0.0558	
15 minute summer	SW55	17.001	SW56	12.5	1.603	2.077	0.0097	
15 minute summer	SW56	Flow through Pond	SW57	12.3	0.097	0.001	9.8459	
15 minute summer	SW57	17.002	SW40	0.1	0.548	0.015	0.0010	

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Results for 100 year +45% CC 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 99.60%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	SW1	20	13.078	0.188	64.9	29.8155	0.0000	SURCHARGED
15 minute winter	SW2	23	12.591	0.009	0.1	0.0026	0.0000	OK
15 minute winter	SW3	25	12.453	0.009	0.1	0.0024	0.0000	OK
15 minute winter	SW4	24	12.241	0.012	0.2	0.0000	0.0000	OK
15 minute winter	SW5	11	13.265	0.165	7.3	0.0000	0.0000	SURCHARGED
15 minute winter	SW6	11	13.164	0.132	6.7	0.0210	0.0000	SURCHARGED
15 minute winter	SW7	12	13.039	0.096	6.6	0.0068	0.0000	OK
15 minute winter	SW8	22	12.534	0.279	6.6	0.0000	0.0000	OK
15 minute winter	SW9	22	12.534	0.291	6.5	0.0824	0.0000	SURCHARGED
15 minute winter	SW10	10	13.161	0.041	4.9	0.0000	0.0000	OK
15 minute winter	SW11	22	12.534	0.279	4.9	0.0000	0.0000	OK
15 minute winter	SW12	27	11.885	0.012	0.2	0.0033	0.0000	OK
15 minute winter	SW13	26	11.644	0.015	0.5	0.0132	0.0000	OK
15 minute winter	SW14	20	13.302	0.182	13.8	6.2868	0.0000	SURCHARGED
15 minute winter	SW15	22	12.900	0.008	0.1	0.0024	0.0000	OK
15 minute winter	SW16	23	12.830	0.008	0.1	0.0024	0.0000	OK
15 minute winter	SW17	24	12.686	0.009	0.2	0.0075	0.0000	OK
15 minute winter	SW18	20	13.007	0.137	61.6	28.3258	0.0000	OK
15 minute winter	SW19	24	12.564	0.011	0.2	0.0030	0.0000	OK
15 minute winter	SW20	20	12.731	0.161	13.0	5.9187	0.0000	SURCHARGED
15 minute winter	SW21	28	11.574	0.016	0.5	0.0045	0.0000	OK
15 minute winter	SW22	20	12.111	0.151	19.5	8.9081	0.0000	SURCHARGED
15 minute winter	SW23	28	11.029	0.020	0.9	0.0057	0.0000	OK
15 minute winter	SW24	10	13.340	0.500	12.2	0.0000	0.0000	FLOOD RISK
15 minute winter	SW25	13	13.200	0.543	9.4	0.1536	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	SW1	1.000	SW2	0.1	0.289	0.007	0.0135	
15 minute winter	SW2	1.001	SW3	0.1	0.301	0.007	0.0058	
15 minute winter	SW3	1.002	SW4	0.1	0.252	0.006	0.0086	
15 minute winter	SW4	1.008	SW12	0.2	0.356	0.012	0.0225	
15 minute winter	SW5	1.003	SW6	6.7	0.862	1.117	0.0532	
15 minute winter	SW6	1.004	SW7	6.6	0.838	1.086	0.0688	
15 minute winter	SW7	1.005	SW8	6.6	0.890	1.088	0.0076	
15 minute winter	SW8	Flow through Pond	SW9	6.5	0.094	0.002	4.8742	
15 minute winter	SW9	1.007	SW4	0.1	0.305	0.015	0.0006	
15 minute winter	SW10	1.006	SW11	4.9	1.626	0.346	0.0100	
15 minute winter	SW11	Flow through Pond	SW9	6.5	0.094	0.002	4.8742	
15 minute winter	SW12	1.009	SW13	0.2	0.280	0.012	0.0191	
15 minute winter	SW13	1.010	SW21	0.5	0.388	0.009	0.0084	
15 minute winter	SW14	2.000	SW15	0.1	0.277	0.014	0.0072	
15 minute winter	SW15	2.001	SW16	0.1	0.310	0.014	0.0022	
15 minute winter	SW16	2.002	SW17	0.1	0.272	0.014	0.0047	
15 minute winter	SW17	2.003	SW19	0.2	0.345	0.006	0.0029	
15 minute winter	SW18	3.000	SW17	0.1	0.313	0.003	0.0003	
15 minute winter	SW19	2.004	SW13	0.2	0.449	0.010	0.0028	
15 minute winter	SW20	4.000	SW19	0.1	0.271	0.014	0.0006	
15 minute winter	SW21	1.011	SW23	0.5	0.364	0.010	0.0754	
15 minute winter	SW22	5.000	SW21	0.1	0.386	0.008	0.0077	
15 minute winter	SW23	6.010	SW40	0.9	0.540	0.016	0.0144	
15 minute winter	SW24	6.000	SW25	9.4	1.198	1.552	0.1432	
15 minute winter	SW25	6.001	SW26	8.6	1.096	1.420	0.1699	

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Results for 100 year +45% CC 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 99.60%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	SW26	12	12.712	0.272	10.2	0.0000	0.0000	SURCHARGED
15 minute winter	SW27	10	12.824	0.024	2.4	0.0000	0.0000	OK
15 minute winter	SW28	11	12.506	0.128	14.9	0.1109	0.0000	OK
15 minute winter	SW29	10	12.911	0.081	5.7	0.0000	0.0000	OK
15 minute winter	SW30	11	12.455	0.113	14.8	0.0977	0.0000	OK
15 minute winter	SW31	25	11.940	0.282	14.8	0.0000	0.0000	OK
15 minute winter	SW32	25	11.940	0.286	8.9	0.0808	0.0000	SURCHARGED
15 minute winter	SW33	25	11.579	0.010	0.2	0.0090	0.0000	OK
15 minute winter	SW34	20	13.492	0.142	29.2	13.3976	0.0000	SURCHARGED
15 minute winter	SW35	26	11.429	0.010	0.2	0.0030	0.0000	OK
15 minute winter	SW36	27	11.356	0.010	0.2	0.0029	0.0000	OK
15 minute winter	SW37	26	11.198	0.014	0.3	0.0120	0.0000	OK
15 minute winter	SW38	20	12.911	0.241	23.5	10.7296	0.0000	SURCHARGED
15 minute winter	SW39	20	12.512	0.212	17.8	8.1510	0.0000	SURCHARGED
15 minute winter	SW40	6	10.239	0.001	1.1	0.0006	0.0000	OK
15 minute winter	SW41	20	12.390	0.170	17.8	8.1456	0.0000	SURCHARGED
15 minute winter	SW42	10	12.884	0.064	5.7	0.0000	0.0000	OK
15 minute winter	SW43	12	12.469	0.169	5.6	0.0477	0.0000	SURCHARGED
15 minute winter	SW44	12	12.403	0.193	5.0	0.0548	0.0000	SURCHARGED
15 minute winter	SW45	12	12.363	0.204	7.4	0.0578	0.0000	SURCHARGED
15 minute winter	SW46	13	12.179	0.141	8.4	0.0400	0.0000	SURCHARGED
15 minute winter	SW47	14	11.916	0.771	13.2	0.2181	0.0000	SURCHARGED
15 minute winter	SW48	10	11.944	0.044	2.4	0.0000	0.0000	OK
15 minute winter	SW49	14	11.999	0.099	3.2	0.0000	0.0000	OK
15 minute winter	SW50	14	11.994	0.193	4.8	0.0307	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	SW26	6.002	SW28	10.2	1.306	1.692	0.0484	
15 minute winter	SW27	7.000	SW26	2.4	0.957	0.128	0.0179	
15 minute winter	SW28	6.003	SW30	14.8	0.978	0.835	0.0543	
15 minute winter	SW29	8.000	SW28	5.6	0.849	0.928	0.0324	
15 minute winter	SW30	6.004	SW31	14.8	1.082	0.832	0.0523	
15 minute winter	SW31	Flow through Pond	SW32	8.9	0.022	0.000	9.1637	
15 minute winter	SW32	6.005	SW33	0.1	0.275	0.015	0.0012	
15 minute winter	SW33	6.006	SW35	0.2	0.313	0.009	0.0079	
15 minute winter	SW34	9.000	SW33	0.1	0.332	0.009	0.0004	
15 minute winter	SW35	6.007	SW36	0.2	0.338	0.009	0.0039	
15 minute winter	SW36	6.008	SW37	0.2	0.250	0.009	0.0108	
15 minute winter	SW37	6.009	SW23	0.3	0.315	0.017	0.0194	
15 minute winter	SW38	10.000	SW37	0.1	0.399	0.017	0.0005	
15 minute winter	SW39	11.000	SW23	0.1	0.331	0.009	0.0003	
15 minute winter	SW40	Pump		1.1				15.4
15 minute winter	SW41	12.000	SW40	0.1	0.342	0.010	0.0005	
15 minute winter	SW42	13.000	SW43	5.6	1.120	0.658	0.0180	
15 minute winter	SW43	13.001	SW44	5.0	0.753	0.836	0.0705	
15 minute winter	SW44	13.002	SW45	4.5	0.593	0.752	0.0402	
15 minute winter	SW45	13.003	SW46	7.0	0.895	1.160	0.0945	
15 minute winter	SW46	13.004	SW47	8.1	1.100	1.014	0.1100	
15 minute winter	SW47	17.000	SW55	12.4	1.591	2.062	0.1160	
15 minute winter	SW48	14.000	SW47	2.4	0.719	0.393	0.0743	
15 minute winter	SW49	15.000	SW50	3.2	0.638	0.527	0.0774	
15 minute winter	SW50	15.001	SW51	4.8	0.912	0.792	0.1011	

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Results for 100 year +45% CC 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 99.60%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	SW51	14	11.977	0.305	4.8	0.0485	0.0000	SURCHARGED
15 minute winter	SW52	14	11.946	0.746	5.5	0.2111	0.0000	SURCHARGED
15 minute winter	SW53	10	11.964	0.064	4.1	0.0000	0.0000	OK
15 minute winter	SW54	14	11.954	0.683	4.0	0.1932	0.0000	SURCHARGED
15 minute winter	SW55	14	11.170	0.173	12.4	0.0123	0.0000	SURCHARGED
15 minute winter	SW56	28	10.577	0.283	13.2	0.0000	0.0000	OK
15 minute winter	SW57	27	10.577	0.293	13.5	0.0830	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	SW51	15.002	SW52	4.1	0.617	0.493	0.1930	
15 minute winter	SW52	15.003	SW47	7.0	0.898	1.164	0.0434	
15 minute winter	SW53	16.000	SW54	4.0	0.797	0.670	0.0198	
15 minute winter	SW54	16.001	SW52	2.6	0.527	0.426	0.0558	
15 minute winter	SW55	17.001	SW56	12.5	1.593	2.064	0.0097	
15 minute winter	SW56	Flow through Pond	SW57	13.5	0.096	0.001	9.8608	
15 minute winter	SW57	17.002	SW40	0.1	0.548	0.015	0.0010	

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Results for 100 year +45% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	SW1	35	13.140	0.250	63.7	39.9766	0.0000	SURCHARGED
30 minute summer	SW2	38	12.592	0.010	0.1	0.0028	0.0000	OK
30 minute summer	SW3	39	12.453	0.009	0.1	0.0026	0.0000	OK
30 minute summer	SW4	39	12.242	0.013	0.3	0.0000	0.0000	OK
30 minute summer	SW5	19	13.266	0.166	7.2	0.0000	0.0000	SURCHARGED
30 minute summer	SW6	19	13.168	0.136	6.8	0.0217	0.0000	SURCHARGED
30 minute summer	SW7	19	13.040	0.097	6.6	0.0069	0.0000	OK
30 minute summer	SW8	36	12.628	0.373	6.6	0.0000	0.0000	OK
30 minute summer	SW9	37	12.628	0.385	5.7	0.1089	0.0000	SURCHARGED
30 minute summer	SW10	18	13.160	0.040	4.8	0.0000	0.0000	OK
30 minute summer	SW11	37	12.628	0.373	4.8	0.0000	0.0000	OK
30 minute summer	SW12	41	11.886	0.013	0.3	0.0035	0.0000	OK
30 minute summer	SW13	40	11.645	0.016	0.5	0.0141	0.0000	OK
30 minute summer	SW14	35	13.362	0.242	13.5	8.3926	0.0000	SURCHARGED
30 minute summer	SW15	36	12.901	0.009	0.1	0.0026	0.0000	OK
30 minute summer	SW16	37	12.831	0.009	0.1	0.0026	0.0000	OK
30 minute summer	SW17	38	12.686	0.009	0.2	0.0080	0.0000	OK
30 minute summer	SW18	35	13.053	0.183	60.5	38.0518	0.0000	SURCHARGED
30 minute summer	SW19	38	12.564	0.011	0.3	0.0032	0.0000	OK
30 minute summer	SW20	35	12.784	0.214	12.7	7.9085	0.0000	SURCHARGED
30 minute summer	SW21	41	11.575	0.017	0.6	0.0048	0.0000	OK
30 minute summer	SW22	35	12.161	0.201	19.1	11.9288	0.0000	SURCHARGED
30 minute summer	SW23	42	11.031	0.022	1.1	0.0061	0.0000	OK
30 minute summer	SW24	17	13.340	0.500	11.9	0.0000	0.0000	FLOOD RISK
30 minute summer	SW25	21	13.221	0.564	9.5	0.1595	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	SW1	1.000	SW2	0.1	0.302	0.008	0.0150	
30 minute summer	SW2	1.001	SW3	0.1	0.315	0.008	0.0064	
30 minute summer	SW3	1.002	SW4	0.1	0.262	0.007	0.0095	
30 minute summer	SW4	1.008	SW12	0.3	0.360	0.014	0.0248	
30 minute summer	SW5	1.003	SW6	6.8	0.864	1.120	0.0532	
30 minute summer	SW6	1.004	SW7	6.6	0.848	1.099	0.0690	
30 minute summer	SW7	1.005	SW8	6.6	0.893	1.096	0.0077	
30 minute summer	SW8	Flow through Pond	SW9	5.7	0.071	0.002	6.4763	
30 minute summer	SW9	1.007	SW4	0.1	0.271	0.017	0.0006	
30 minute summer	SW10	1.006	SW11	4.8	1.620	0.341	0.0098	
30 minute summer	SW11	Flow through Pond	SW9	5.7	0.071	0.002	6.4763	
30 minute summer	SW12	1.009	SW13	0.3	0.292	0.014	0.0210	
30 minute summer	SW13	1.010	SW21	0.5	0.405	0.010	0.0094	
30 minute summer	SW14	2.000	SW15	0.1	0.288	0.017	0.0080	
30 minute summer	SW15	2.001	SW16	0.1	0.288	0.017	0.0024	
30 minute summer	SW16	2.002	SW17	0.1	0.283	0.017	0.0052	
30 minute summer	SW17	2.003	SW19	0.2	0.359	0.007	0.0032	
30 minute summer	SW18	3.000	SW17	0.1	0.325	0.003	0.0003	
30 minute summer	SW19	2.004	SW13	0.3	0.469	0.011	0.0031	
30 minute summer	SW20	4.000	SW19	0.1	0.238	0.016	0.0007	
30 minute summer	SW21	1.011	SW23	0.6	0.382	0.012	0.0837	
30 minute summer	SW22	5.000	SW21	0.1	0.329	0.009	0.0084	
30 minute summer	SW23	6.010	SW40	1.1	0.562	0.018	0.0160	
30 minute summer	SW24	6.000	SW25	9.5	1.213	1.572	0.1432	
30 minute summer	SW25	6.001	SW26	8.7	1.115	1.445	0.1699	

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Results for 100 year +45% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	SW26	20	12.723	0.283	10.3	0.0000	0.0000	SURCHARGED
30 minute summer	SW27	18	12.824	0.024	2.4	0.0000	0.0000	OK
30 minute summer	SW28	19	12.509	0.131	15.2	0.1134	0.0000	OK
30 minute summer	SW29	18	12.911	0.081	5.6	0.0000	0.0000	OK
30 minute summer	SW30	19	12.457	0.115	15.1	0.0995	0.0000	OK
30 minute summer	SW31	39	12.038	0.380	15.1	0.0000	0.0000	OK
30 minute summer	SW32	39	12.038	0.384	7.8	0.1085	0.0000	SURCHARGED
30 minute summer	SW33	40	11.580	0.011	0.2	0.0096	0.0000	OK
30 minute summer	SW34	35	13.539	0.189	28.6	17.9714	0.0000	SURCHARGED
30 minute summer	SW35	40	11.430	0.011	0.2	0.0032	0.0000	OK
30 minute summer	SW36	41	11.357	0.011	0.2	0.0031	0.0000	OK
30 minute summer	SW37	40	11.199	0.015	0.4	0.0128	0.0000	OK
30 minute summer	SW38	35	12.991	0.321	23.1	14.3367	0.0000	SURCHARGED
30 minute summer	SW39	35	12.582	0.282	17.5	10.9008	0.0000	SURCHARGED
30 minute summer	SW40	42	10.239	0.001	1.3	0.0006	0.0000	OK
30 minute summer	SW41	35	12.446	0.226	17.5	10.8895	0.0000	SURCHARGED
30 minute summer	SW42	18	12.883	0.063	5.6	0.0000	0.0000	OK
30 minute summer	SW43	20	12.478	0.178	5.6	0.0504	0.0000	SURCHARGED
30 minute summer	SW44	20	12.416	0.206	4.9	0.0584	0.0000	SURCHARGED
30 minute summer	SW45	20	12.376	0.217	7.4	0.0615	0.0000	SURCHARGED
30 minute summer	SW46	21	12.194	0.156	8.4	0.0442	0.0000	SURCHARGED
30 minute summer	SW47	21	11.932	0.787	13.4	0.2228	0.0000	SURCHARGED
30 minute summer	SW48	18	11.944	0.044	2.4	0.0000	0.0000	OK
30 minute summer	SW49	21	12.020	0.120	3.2	0.0000	0.0000	SURCHARGED
30 minute summer	SW50	22	12.015	0.214	4.8	0.0340	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	SW26	6.002	SW28	10.3	1.322	1.713	0.0484	
30 minute summer	SW27	7.000	SW26	2.4	0.429	0.129	0.0179	
30 minute summer	SW28	6.003	SW30	15.1	0.980	0.852	0.0553	
30 minute summer	SW29	8.000	SW28	5.6	0.850	0.927	0.0323	
30 minute summer	SW30	6.004	SW31	15.1	1.086	0.851	0.0533	
30 minute summer	SW31	Flow through Pond	SW32	7.8	0.033	0.000	12.3260	
30 minute summer	SW32	6.005	SW33	0.1	0.287	0.017	0.0013	
30 minute summer	SW33	6.006	SW35	0.2	0.328	0.011	0.0088	
30 minute summer	SW34	9.000	SW33	0.1	0.347	0.010	0.0004	
30 minute summer	SW35	6.007	SW36	0.2	0.328	0.011	0.0043	
30 minute summer	SW36	6.008	SW37	0.2	0.263	0.011	0.0120	
30 minute summer	SW37	6.009	SW23	0.4	0.296	0.020	0.0215	
30 minute summer	SW38	10.000	SW37	0.2	0.416	0.020	0.0006	
30 minute summer	SW39	11.000	SW23	0.1	0.345	0.010	0.0004	
30 minute summer	SW40	Pump		1.3				18.7
30 minute summer	SW41	12.000	SW40	0.1	0.357	0.011	0.0006	
30 minute summer	SW42	13.000	SW43	5.6	1.120	0.653	0.0179	
30 minute summer	SW43	13.001	SW44	4.9	0.747	0.811	0.0705	
30 minute summer	SW44	13.002	SW45	4.5	0.593	0.752	0.0402	
30 minute summer	SW45	13.003	SW46	7.0	0.899	1.165	0.0945	
30 minute summer	SW46	13.004	SW47	8.2	1.118	1.029	0.1100	
30 minute summer	SW47	17.000	SW55	12.6	1.607	2.083	0.1160	
30 minute summer	SW48	14.000	SW47	2.4	0.721	0.398	0.0762	
30 minute summer	SW49	15.000	SW50	3.2	0.637	0.530	0.0775	
30 minute summer	SW50	15.001	SW51	4.7	0.898	0.772	0.1011	

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Results for 100 year +45% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	SW51	22	11.998	0.326	4.7	0.0518	0.0000	SURCHARGED
30 minute summer	SW52	22	11.963	0.763	5.6	0.2159	0.0000	SURCHARGED
30 minute summer	SW53	21	11.973	0.073	4.0	0.0000	0.0000	OK
30 minute summer	SW54	21	11.971	0.700	4.0	0.1982	0.0000	SURCHARGED
30 minute summer	SW55	21	11.172	0.175	12.6	0.0124	0.0000	SURCHARGED
30 minute summer	SW56	41	10.674	0.381	12.6	0.0000	0.0000	OK
30 minute summer	SW57	41	10.675	0.391	8.8	0.1106	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	SW51	15.002	SW52	3.8	0.579	0.456	0.1930	
30 minute summer	SW52	15.003	SW47	6.8	0.875	1.134	0.0434	
30 minute summer	SW53	16.000	SW54	4.0	0.797	0.663	0.0239	
30 minute summer	SW54	16.001	SW52	2.5	0.489	0.415	0.0558	
30 minute summer	SW55	17.001	SW56	12.6	1.606	2.082	0.0097	
30 minute summer	SW56	Flow through Pond	SW57	8.8	0.070	0.001	13.1979	
30 minute summer	SW57	17.002	SW40	0.1	0.572	0.017	0.0011	

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Results for 100 year +45% CC 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	SW1	35	13.140	0.250	51.4	39.9905	0.0000	SURCHARGED
30 minute winter	SW2	37	12.592	0.010	0.1	0.0028	0.0000	OK
30 minute winter	SW3	39	12.453	0.009	0.1	0.0026	0.0000	OK
30 minute winter	SW4	38	12.242	0.013	0.3	0.0000	0.0000	OK
30 minute winter	SW5	18	13.185	0.085	5.8	0.0000	0.0000	OK
30 minute winter	SW6	18	13.120	0.088	5.8	0.0139	0.0000	OK
30 minute winter	SW7	18	13.030	0.087	5.8	0.0062	0.0000	OK
30 minute winter	SW8	36	12.633	0.377	5.8	0.0000	0.0000	OK
30 minute winter	SW9	36	12.632	0.389	4.3	0.1102	0.0000	SURCHARGED
30 minute winter	SW10	18	13.156	0.036	3.9	0.0000	0.0000	OK
30 minute winter	SW11	36	12.633	0.377	3.9	0.0000	0.0000	OK
30 minute winter	SW12	41	11.886	0.013	0.3	0.0035	0.0000	OK
30 minute winter	SW13	40	11.645	0.016	0.5	0.0141	0.0000	OK
30 minute winter	SW14	34	13.362	0.242	10.9	8.4250	0.0000	SURCHARGED
30 minute winter	SW15	36	12.901	0.009	0.1	0.0026	0.0000	OK
30 minute winter	SW16	37	12.831	0.009	0.1	0.0026	0.0000	OK
30 minute winter	SW17	38	12.686	0.009	0.2	0.0080	0.0000	OK
30 minute winter	SW18	35	13.053	0.183	48.8	38.0626	0.0000	SURCHARGED
30 minute winter	SW19	37	12.564	0.011	0.3	0.0032	0.0000	OK
30 minute winter	SW20	34	12.784	0.214	10.3	7.9050	0.0000	SURCHARGED
30 minute winter	SW21	41	11.575	0.017	0.6	0.0048	0.0000	OK
30 minute winter	SW22	35	12.161	0.201	15.4	11.9226	0.0000	SURCHARGED
30 minute winter	SW23	42	11.031	0.022	1.1	0.0061	0.0000	OK
30 minute winter	SW24	18	13.340	0.500	9.6	0.0000	0.0000	FLOOD RISK
30 minute winter	SW25	21	13.077	0.420	8.2	0.1190	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	SW1	1.000	SW2	0.1	0.302	0.008	0.0150	
30 minute winter	SW2	1.001	SW3	0.1	0.315	0.008	0.0064	
30 minute winter	SW3	1.002	SW4	0.1	0.261	0.007	0.0095	
30 minute winter	SW4	1.008	SW12	0.3	0.360	0.014	0.0249	
30 minute winter	SW5	1.003	SW6	5.8	0.815	0.960	0.0488	
30 minute winter	SW6	1.004	SW7	5.8	0.799	0.957	0.0641	
30 minute winter	SW7	1.005	SW8	5.8	0.837	0.956	0.0072	
30 minute winter	SW8	Flow through Pond	SW9	4.3	0.076	0.001	6.5568	
30 minute winter	SW9	1.007	SW4	0.1	0.278	0.017	0.0006	
30 minute winter	SW10	1.006	SW11	3.9	1.531	0.277	0.0085	
30 minute winter	SW11	Flow through Pond	SW9	4.3	0.076	0.001	6.5568	
30 minute winter	SW12	1.009	SW13	0.3	0.292	0.014	0.0211	
30 minute winter	SW13	1.010	SW21	0.5	0.405	0.010	0.0094	
30 minute winter	SW14	2.000	SW15	0.1	0.288	0.017	0.0080	
30 minute winter	SW15	2.001	SW16	0.1	0.288	0.017	0.0024	
30 minute winter	SW16	2.002	SW17	0.1	0.284	0.017	0.0052	
30 minute winter	SW17	2.003	SW19	0.2	0.360	0.007	0.0032	
30 minute winter	SW18	3.000	SW17	0.1	0.325	0.003	0.0003	
30 minute winter	SW19	2.004	SW13	0.3	0.469	0.011	0.0031	
30 minute winter	SW20	4.000	SW19	0.1	0.245	0.016	0.0007	
30 minute winter	SW21	1.011	SW23	0.6	0.382	0.012	0.0837	
30 minute winter	SW22	5.000	SW21	0.1	0.337	0.009	0.0084	
30 minute winter	SW23	6.010	SW40	1.1	0.563	0.018	0.0160	
30 minute winter	SW24	6.000	SW25	8.2	1.054	1.366	0.1432	
30 minute winter	SW25	6.001	SW26	7.8	1.003	1.300	0.1699	

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Results for 100 year +45% CC 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	SW26	20	12.669	0.229	9.3	0.0000	0.0000	SURCHARGED
30 minute winter	SW27	18	12.822	0.022	1.9	0.0000	0.0000	OK
30 minute winter	SW28	19	12.494	0.116	13.3	0.1003	0.0000	OK
30 minute winter	SW29	18	12.898	0.068	4.5	0.0000	0.0000	OK
30 minute winter	SW30	19	12.446	0.104	13.3	0.0902	0.0000	OK
30 minute winter	SW31	39	12.036	0.378	13.3	0.0000	0.0000	OK
30 minute winter	SW32	39	12.036	0.382	7.2	0.1082	0.0000	SURCHARGED
30 minute winter	SW33	39	11.580	0.011	0.2	0.0096	0.0000	OK
30 minute winter	SW34	35	13.538	0.188	23.1	17.9592	0.0000	SURCHARGED
30 minute winter	SW35	40	11.430	0.011	0.2	0.0032	0.0000	OK
30 minute winter	SW36	40	11.357	0.011	0.2	0.0031	0.0000	OK
30 minute winter	SW37	40	11.199	0.015	0.4	0.0128	0.0000	OK
30 minute winter	SW38	34	12.991	0.321	18.6	14.3490	0.0000	SURCHARGED
30 minute winter	SW39	35	12.583	0.283	14.1	10.9303	0.0000	SURCHARGED
30 minute winter	SW40	7	10.239	0.001	1.3	0.0006	0.0000	OK
30 minute winter	SW41	35	12.447	0.227	14.1	10.9190	0.0000	SURCHARGED
30 minute winter	SW42	18	12.875	0.055	4.5	0.0000	0.0000	OK
30 minute winter	SW43	17	12.368	0.068	4.5	0.0191	0.0000	OK
30 minute winter	SW44	19	12.325	0.115	4.5	0.0324	0.0000	SURCHARGED
30 minute winter	SW45	19	12.288	0.129	6.8	0.0366	0.0000	SURCHARGED
30 minute winter	SW46	19	12.126	0.088	7.9	0.0249	0.0000	OK
30 minute winter	SW47	21	11.891	0.746	12.7	0.2110	0.0000	SURCHARGED
30 minute winter	SW48	18	11.939	0.039	1.9	0.0000	0.0000	OK
30 minute winter	SW49	22	11.979	0.079	2.6	0.0000	0.0000	OK
30 minute winter	SW50	22	11.975	0.174	3.9	0.0277	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	SW26	6.002	SW28	9.4	1.196	1.549	0.0484	
30 minute winter	SW27	7.000	SW26	1.9	0.609	0.102	0.0174	
30 minute winter	SW28	6.003	SW30	13.3	0.962	0.750	0.0497	
30 minute winter	SW29	8.000	SW28	4.5	0.822	0.745	0.0269	
30 minute winter	SW30	6.004	SW31	13.3	1.060	0.749	0.0480	
30 minute winter	SW31	Flow through Pond	SW32	7.2	0.019	0.000	12.2886	
30 minute winter	SW32	6.005	SW33	0.1	0.287	0.017	0.0013	
30 minute winter	SW33	6.006	SW35	0.2	0.328	0.011	0.0088	
30 minute winter	SW34	9.000	SW33	0.1	0.347	0.010	0.0004	
30 minute winter	SW35	6.007	SW36	0.2	0.328	0.011	0.0043	
30 minute winter	SW36	6.008	SW37	0.2	0.263	0.011	0.0120	
30 minute winter	SW37	6.009	SW23	0.4	0.296	0.020	0.0215	
30 minute winter	SW38	10.000	SW37	0.2	0.416	0.020	0.0006	
30 minute winter	SW39	11.000	SW23	0.1	0.345	0.010	0.0004	
30 minute winter	SW40	Pump		1.3				18.7
30 minute winter	SW41	12.000	SW40	0.1	0.357	0.011	0.0006	
30 minute winter	SW42	13.000	SW43	4.5	1.067	0.525	0.0151	
30 minute winter	SW43	13.001	SW44	4.5	0.744	0.743	0.0605	
30 minute winter	SW44	13.002	SW45	4.3	0.593	0.715	0.0402	
30 minute winter	SW45	13.003	SW46	6.7	0.868	1.112	0.0914	
30 minute winter	SW46	13.004	SW47	7.9	1.121	0.989	0.1031	
30 minute winter	SW47	17.000	SW55	12.3	1.568	2.031	0.1160	
30 minute winter	SW48	14.000	SW47	1.9	0.678	0.315	0.0718	
30 minute winter	SW49	15.000	SW50	2.6	0.626	0.429	0.0717	
30 minute winter	SW50	15.001	SW51	3.9	0.867	0.649	0.1011	

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Results for 100 year +45% CC 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	SW51	22	11.957	0.284	3.9	0.0452	0.0000	SURCHARGED
30 minute winter	SW52	22	11.924	0.724	5.3	0.2048	0.0000	SURCHARGED
30 minute winter	SW53	18	11.955	0.055	3.2	0.0000	0.0000	OK
30 minute winter	SW54	22	11.935	0.664	3.2	0.1879	0.0000	SURCHARGED
30 minute winter	SW55	22	11.168	0.170	12.3	0.0121	0.0000	SURCHARGED
30 minute winter	SW56	41	10.677	0.383	12.3	0.0000	0.0000	OK
30 minute winter	SW57	41	10.677	0.393	10.2	0.1112	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	SW51	15.002	SW52	3.4	0.564	0.408	0.1930	
30 minute winter	SW52	15.003	SW47	6.3	0.805	1.043	0.0434	
30 minute winter	SW53	16.000	SW54	3.2	0.757	0.530	0.0150	
30 minute winter	SW54	16.001	SW52	2.5	0.481	0.410	0.0558	
30 minute winter	SW55	17.001	SW56	12.3	1.567	2.030	0.0097	
30 minute winter	SW56	Flow through Pond	SW57	10.2	0.087	0.001	13.2686	
30 minute winter	SW57	17.002	SW40	0.1	0.572	0.017	0.0011	

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Results for 100 year +45% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	SW1	65	13.209	0.319	48.8	51.2666	0.0000	SURCHARGED
60 minute summer	SW2	67	12.593	0.011	0.2	0.0030	0.0000	OK
60 minute summer	SW3	68	12.454	0.010	0.2	0.0028	0.0000	OK
60 minute summer	SW4	68	12.242	0.013	0.3	0.0000	0.0000	OK
60 minute summer	SW5	33	13.180	0.080	5.5	0.0000	0.0000	OK
60 minute summer	SW6	33	13.114	0.082	5.5	0.0131	0.0000	OK
60 minute summer	SW7	33	13.027	0.084	5.5	0.0059	0.0000	OK
60 minute summer	SW8	66	12.735	0.480	5.5	0.0000	0.0000	OK
60 minute summer	SW9	66	12.735	0.492	4.3	0.1392	0.0000	SURCHARGED
60 minute summer	SW10	33	13.155	0.035	3.7	0.0000	0.0000	OK
60 minute summer	SW11	66	12.735	0.480	3.7	0.0000	0.0000	OK
60 minute summer	SW12	70	11.886	0.013	0.3	0.0038	0.0000	OK
60 minute summer	SW13	69	11.646	0.017	0.6	0.0150	0.0000	OK
60 minute summer	SW14	64	13.427	0.307	10.4	10.7106	0.0000	FLOOD RISK
60 minute summer	SW15	66	12.902	0.010	0.1	0.0027	0.0000	OK
60 minute summer	SW16	67	12.832	0.010	0.1	0.0027	0.0000	OK
60 minute summer	SW17	67	12.687	0.010	0.2	0.0085	0.0000	OK
60 minute summer	SW18	65	13.103	0.233	46.3	48.8249	0.0000	SURCHARGED
60 minute summer	SW19	67	12.565	0.012	0.3	0.0034	0.0000	OK
60 minute summer	SW20	64	12.842	0.272	9.8	10.1027	0.0000	FLOOD RISK
60 minute summer	SW21	70	11.576	0.018	0.7	0.0051	0.0000	OK
60 minute summer	SW22	65	12.215	0.255	14.6	15.2668	0.0000	FLOOD RISK
60 minute summer	SW23	71	11.032	0.023	1.2	0.0065	0.0000	OK
60 minute summer	SW24	34	13.340	0.500	9.1	0.0000	0.0000	FLOOD RISK
60 minute summer	SW25	36	13.033	0.376	7.9	0.1063	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	SW1	1.000	SW2	0.2	0.313	0.009	0.0164	
60 minute summer	SW2	1.001	SW3	0.2	0.327	0.009	0.0070	
60 minute summer	SW3	1.002	SW4	0.2	0.270	0.008	0.0104	
60 minute summer	SW4	1.008	SW12	0.3	0.374	0.016	0.0271	
60 minute summer	SW5	1.003	SW6	5.5	0.813	0.911	0.0462	
60 minute summer	SW6	1.004	SW7	5.5	0.793	0.910	0.0614	
60 minute summer	SW7	1.005	SW8	5.5	0.818	0.907	0.0070	
60 minute summer	SW8	Flow through Pond	SW9	4.3	0.056	0.001	8.3067	
60 minute summer	SW9	1.007	SW4	0.1	0.237	0.019	0.0007	
60 minute summer	SW10	1.006	SW11	3.7	1.509	0.263	0.0081	
60 minute summer	SW11	Flow through Pond	SW9	4.3	0.056	0.001	8.3067	
60 minute summer	SW12	1.009	SW13	0.3	0.303	0.016	0.0229	
60 minute summer	SW13	1.010	SW21	0.6	0.421	0.012	0.0102	
60 minute summer	SW14	2.000	SW15	0.1	0.298	0.019	0.0087	
60 minute summer	SW15	2.001	SW16	0.1	0.298	0.019	0.0027	
60 minute summer	SW16	2.002	SW17	0.1	0.293	0.019	0.0056	
60 minute summer	SW17	2.003	SW19	0.2	0.371	0.008	0.0034	
60 minute summer	SW18	3.000	SW17	0.1	0.336	0.004	0.0003	
60 minute summer	SW19	2.004	SW13	0.3	0.487	0.013	0.0034	
60 minute summer	SW20	4.000	SW19	0.1	0.239	0.018	0.0008	
60 minute summer	SW21	1.011	SW23	0.7	0.396	0.013	0.0913	
60 minute summer	SW22	5.000	SW21	0.1	0.307	0.010	0.0092	
60 minute summer	SW23	6.010	SW40	1.2	0.583	0.021	0.0175	
60 minute summer	SW24	6.000	SW25	7.9	1.013	1.313	0.1432	
60 minute summer	SW25	6.001	SW26	7.6	0.967	1.253	0.1699	

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Results for 100 year +45% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	SW26	35	12.654	0.214	9.1	0.0000	0.0000	SURCHARGED
60 minute summer	SW27	33	12.821	0.021	1.8	0.0000	0.0000	OK
60 minute summer	SW28	34	12.490	0.112	12.8	0.0967	0.0000	OK
60 minute summer	SW29	33	12.895	0.065	4.3	0.0000	0.0000	OK
60 minute summer	SW30	34	12.443	0.101	12.8	0.0876	0.0000	OK
60 minute summer	SW31	68	12.141	0.483	12.8	0.0000	0.0000	OK
60 minute summer	SW32	68	12.141	0.487	6.5	0.1378	0.0000	SURCHARGED
60 minute summer	SW33	69	11.581	0.012	0.2	0.0102	0.0000	OK
60 minute summer	SW34	65	13.590	0.240	21.9	23.0123	0.0000	SURCHARGED
60 minute summer	SW35	69	11.431	0.012	0.2	0.0034	0.0000	OK
60 minute summer	SW36	70	11.358	0.012	0.2	0.0033	0.0000	OK
60 minute summer	SW37	69	11.200	0.016	0.4	0.0136	0.0000	OK
60 minute summer	SW38	64	13.078	0.408	17.7	18.2789	0.0000	SURCHARGED
60 minute summer	SW39	65	12.660	0.360	13.4	13.9910	0.0000	SURCHARGED
60 minute summer	SW40	71	10.239	0.001	1.4	0.0006	0.0000	OK
60 minute summer	SW41	65	12.508	0.288	13.4	13.9670	0.0000	FLOOD RISK
60 minute summer	SW42	33	12.873	0.053	4.3	0.0000	0.0000	OK
60 minute summer	SW43	32	12.366	0.066	4.3	0.0186	0.0000	OK
60 minute summer	SW44	34	12.302	0.092	4.3	0.0259	0.0000	OK
60 minute summer	SW45	34	12.271	0.112	6.5	0.0318	0.0000	SURCHARGED
60 minute summer	SW46	34	12.122	0.084	7.7	0.0239	0.0000	OK
60 minute summer	SW47	36	11.854	0.709	12.4	0.2006	0.0000	SURCHARGED
60 minute summer	SW48	33	11.938	0.038	1.8	0.0000	0.0000	OK
60 minute summer	SW49	37	11.948	0.048	2.4	0.0000	0.0000	OK
60 minute summer	SW50	37	11.945	0.144	3.6	0.0229	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	SW26	6.002	SW28	9.0	1.156	1.499	0.0484	
60 minute summer	SW27	7.000	SW26	1.8	0.446	0.096	0.0174	
60 minute summer	SW28	6.003	SW30	12.8	0.955	0.719	0.0480	
60 minute summer	SW29	8.000	SW28	4.3	0.815	0.712	0.0259	
60 minute summer	SW30	6.004	SW31	12.8	1.052	0.719	0.0465	
60 minute summer	SW31	Flow through Pond	SW32	6.5	0.024	0.000	15.6701	
60 minute summer	SW32	6.005	SW33	0.1	0.297	0.019	0.0014	
60 minute summer	SW33	6.006	SW35	0.2	0.340	0.012	0.0096	
60 minute summer	SW34	9.000	SW33	0.1	0.360	0.012	0.0004	
60 minute summer	SW35	6.007	SW36	0.2	0.341	0.012	0.0047	
60 minute summer	SW36	6.008	SW37	0.2	0.273	0.012	0.0130	
60 minute summer	SW37	6.009	SW23	0.4	0.307	0.023	0.0235	
60 minute summer	SW38	10.000	SW37	0.2	0.431	0.022	0.0006	
60 minute summer	SW39	11.000	SW23	0.1	0.358	0.012	0.0004	
60 minute summer	SW40	Pump		1.4				22.8
60 minute summer	SW41	12.000	SW40	0.1	0.371	0.013	0.0006	
60 minute summer	SW42	13.000	SW43	4.3	1.056	0.501	0.0146	
60 minute summer	SW43	13.001	SW44	4.3	0.740	0.718	0.0564	
60 minute summer	SW44	13.002	SW45	4.2	0.593	0.688	0.0394	
60 minute summer	SW45	13.003	SW46	6.5	0.864	1.071	0.0899	
60 minute summer	SW46	13.004	SW47	7.7	1.124	0.955	0.0958	
60 minute summer	SW47	17.000	SW55	12.0	1.532	1.985	0.1160	
60 minute summer	SW48	14.000	SW47	1.8	0.669	0.298	0.0680	
60 minute summer	SW49	15.000	SW50	2.4	0.613	0.397	0.0572	
60 minute summer	SW50	15.001	SW51	3.7	0.860	0.607	0.1011	

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Results for 100 year +45% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	SW51	37	11.924	0.252	3.7	0.0400	0.0000	SURCHARGED
60 minute summer	SW52	37	11.884	0.684	5.0	0.1936	0.0000	SURCHARGED
60 minute summer	SW53	33	11.952	0.052	3.0	0.0000	0.0000	OK
60 minute summer	SW54	37	11.896	0.625	3.0	0.1769	0.0000	SURCHARGED
60 minute summer	SW55	36	11.163	0.166	12.0	0.0118	0.0000	SURCHARGED
60 minute summer	SW56	70	10.782	0.489	12.0	0.0000	0.0000	OK
60 minute summer	SW57	70	10.783	0.499	8.3	0.1412	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	SW51	15.002	SW52	3.3	0.553	0.390	0.1930	
60 minute summer	SW52	15.003	SW47	5.9	0.754	0.977	0.0434	
60 minute summer	SW53	16.000	SW54	3.0	0.746	0.497	0.0137	
60 minute summer	SW54	16.001	SW52	2.4	0.460	0.396	0.0558	
60 minute summer	SW55	17.001	SW56	12.0	1.529	1.981	0.0097	
60 minute summer	SW56	Flow through Pond	SW57	8.3	0.065	0.001	16.8909	
60 minute summer	SW57	17.002	SW40	0.1	0.585	0.020	0.0015	

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Results for 100 year +45% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	SW1	64	13.209	0.319	35.2	51.3258	0.0000	SURCHARGED
60 minute winter	SW2	66	12.593	0.011	0.2	0.0030	0.0000	OK
60 minute winter	SW3	67	12.454	0.010	0.2	0.0028	0.0000	OK
60 minute winter	SW4	67	12.242	0.013	0.3	0.0000	0.0000	OK
60 minute winter	SW5	33	13.162	0.062	4.0	0.0000	0.0000	OK
60 minute winter	SW6	33	13.095	0.063	4.0	0.0100	0.0000	OK
60 minute winter	SW7	33	13.008	0.065	4.0	0.0046	0.0000	OK
60 minute winter	SW8	65	12.733	0.478	4.0	0.0000	0.0000	OK
60 minute winter	SW9	65	12.733	0.490	3.0	0.1387	0.0000	SURCHARGED
60 minute winter	SW10	32	13.149	0.029	2.6	0.0000	0.0000	OK
60 minute winter	SW11	65	12.733	0.478	2.6	0.0000	0.0000	OK
60 minute winter	SW12	69	11.886	0.013	0.3	0.0038	0.0000	OK
60 minute winter	SW13	68	11.646	0.017	0.6	0.0150	0.0000	OK
60 minute winter	SW14	63	13.427	0.307	7.5	10.7287	0.0000	FLOOD RISK
60 minute winter	SW15	65	12.902	0.010	0.1	0.0027	0.0000	OK
60 minute winter	SW16	66	12.832	0.010	0.1	0.0027	0.0000	OK
60 minute winter	SW17	66	12.687	0.010	0.2	0.0085	0.0000	OK
60 minute winter	SW18	65	13.103	0.233	33.5	48.8804	0.0000	SURCHARGED
60 minute winter	SW19	66	12.565	0.012	0.3	0.0034	0.0000	OK
60 minute winter	SW20	63	12.841	0.271	7.0	10.0912	0.0000	FLOOD RISK
60 minute winter	SW21	69	11.576	0.018	0.7	0.0051	0.0000	OK
60 minute winter	SW22	64	12.216	0.255	10.6	15.2756	0.0000	FLOOD RISK
60 minute winter	SW23	70	11.032	0.023	1.2	0.0065	0.0000	OK
60 minute winter	SW24	35	13.042	0.202	6.6	0.0000	0.0000	FLOOD RISK
60 minute winter	SW25	36	12.827	0.170	6.2	0.0482	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	SW1	1.000	SW2	0.2	0.314	0.009	0.0164	
60 minute winter	SW2	1.001	SW3	0.2	0.327	0.009	0.0070	
60 minute winter	SW3	1.002	SW4	0.2	0.271	0.008	0.0104	
60 minute winter	SW4	1.008	SW12	0.3	0.374	0.016	0.0270	
60 minute winter	SW5	1.003	SW6	4.0	0.777	0.663	0.0350	
60 minute winter	SW6	1.004	SW7	4.0	0.753	0.663	0.0470	
60 minute winter	SW7	1.005	SW8	4.0	0.774	0.662	0.0054	
60 minute winter	SW8	Flow through Pond	SW9	3.0	0.053	0.001	8.2760	
60 minute winter	SW9	1.007	SW4	0.1	0.260	0.019	0.0007	
60 minute winter	SW10	1.006	SW11	2.6	1.367	0.185	0.0063	
60 minute winter	SW11	Flow through Pond	SW9	3.0	0.053	0.001	8.2760	
60 minute winter	SW12	1.009	SW13	0.3	0.303	0.016	0.0229	
60 minute winter	SW13	1.010	SW21	0.6	0.421	0.012	0.0102	
60 minute winter	SW14	2.000	SW15	0.1	0.298	0.019	0.0087	
60 minute winter	SW15	2.001	SW16	0.1	0.298	0.019	0.0027	
60 minute winter	SW16	2.002	SW17	0.1	0.293	0.019	0.0056	
60 minute winter	SW17	2.003	SW19	0.2	0.371	0.008	0.0034	
60 minute winter	SW18	3.000	SW17	0.1	0.336	0.004	0.0003	
60 minute winter	SW19	2.004	SW13	0.3	0.487	0.013	0.0034	
60 minute winter	SW20	4.000	SW19	0.1	0.239	0.018	0.0008	
60 minute winter	SW21	1.011	SW23	0.7	0.396	0.013	0.0913	
60 minute winter	SW22	5.000	SW21	0.1	0.311	0.010	0.0092	
60 minute winter	SW23	6.010	SW40	1.2	0.583	0.021	0.0175	
60 minute winter	SW24	6.000	SW25	6.2	0.876	1.032	0.1432	
60 minute winter	SW25	6.001	SW26	6.1	0.783	1.015	0.1699	

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Results for 100 year +45% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	SW26	36	12.578	0.138	7.3	0.0000	0.0000	SURCHARGED
60 minute winter	SW27	33	12.818	0.018	1.3	0.0000	0.0000	OK
60 minute winter	SW28	34	12.473	0.095	10.2	0.0823	0.0000	OK
60 minute winter	SW29	33	12.883	0.053	3.1	0.0000	0.0000	OK
60 minute winter	SW30	35	12.429	0.087	10.2	0.0757	0.0000	OK
60 minute winter	SW31	67	12.140	0.482	10.2	0.0000	0.0000	OK
60 minute winter	SW32	67	12.140	0.486	5.2	0.1375	0.0000	SURCHARGED
60 minute winter	SW33	68	11.581	0.012	0.2	0.0102	0.0000	OK
60 minute winter	SW34	64	13.590	0.240	15.9	23.0237	0.0000	SURCHARGED
60 minute winter	SW35	68	11.431	0.012	0.2	0.0034	0.0000	OK
60 minute winter	SW36	69	11.358	0.012	0.2	0.0033	0.0000	OK
60 minute winter	SW37	68	11.200	0.016	0.4	0.0136	0.0000	OK
60 minute winter	SW38	64	13.078	0.408	12.8	18.2786	0.0000	SURCHARGED
60 minute winter	SW39	64	12.661	0.361	9.7	14.0113	0.0000	SURCHARGED
60 minute winter	SW40	70	10.239	0.001	1.4	0.0006	0.0000	OK
60 minute winter	SW41	64	12.509	0.289	9.7	13.9877	0.0000	FLOOD RISK
60 minute winter	SW42	33	12.864	0.044	3.1	0.0000	0.0000	OK
60 minute winter	SW43	33	12.353	0.053	3.1	0.0151	0.0000	OK
60 minute winter	SW44	33	12.265	0.055	3.1	0.0157	0.0000	OK
60 minute winter	SW45	33	12.231	0.072	4.9	0.0204	0.0000	OK
60 minute winter	SW46	33	12.104	0.066	5.8	0.0187	0.0000	OK
60 minute winter	SW47	37	11.665	0.520	10.7	0.1470	0.0000	SURCHARGED
60 minute winter	SW48	34	11.932	0.032	1.3	0.0000	0.0000	OK
60 minute winter	SW49	33	11.937	0.037	1.8	0.0000	0.0000	OK
60 minute winter	SW50	33	11.850	0.049	2.7	0.0078	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	SW26	6.002	SW28	7.3	0.937	1.214	0.0480	
60 minute winter	SW27	7.000	SW26	1.3	0.543	0.070	0.0169	
60 minute winter	SW28	6.003	SW30	10.2	0.914	0.577	0.0403	
60 minute winter	SW29	8.000	SW28	3.1	0.758	0.513	0.0201	
60 minute winter	SW30	6.004	SW31	10.2	1.002	0.577	0.0392	
60 minute winter	SW31	Flow through Pond	SW32	5.2	0.007	0.000	15.6372	
60 minute winter	SW32	6.005	SW33	0.1	0.297	0.019	0.0014	
60 minute winter	SW33	6.006	SW35	0.2	0.340	0.012	0.0095	
60 minute winter	SW34	9.000	SW33	0.1	0.360	0.012	0.0004	
60 minute winter	SW35	6.007	SW36	0.2	0.341	0.012	0.0047	
60 minute winter	SW36	6.008	SW37	0.2	0.273	0.012	0.0130	
60 minute winter	SW37	6.009	SW23	0.4	0.307	0.023	0.0235	
60 minute winter	SW38	10.000	SW37	0.2	0.431	0.022	0.0006	
60 minute winter	SW39	11.000	SW23	0.1	0.358	0.012	0.0004	
60 minute winter	SW40	Pump		1.4				22.8
60 minute winter	SW41	12.000	SW40	0.1	0.371	0.013	0.0006	
60 minute winter	SW42	13.000	SW43	3.1	0.975	0.361	0.0114	
60 minute winter	SW43	13.001	SW44	3.1	0.713	0.513	0.0392	
60 minute winter	SW44	13.002	SW45	3.1	0.590	0.513	0.0270	
60 minute winter	SW45	13.003	SW46	4.9	0.849	0.811	0.0697	
60 minute winter	SW46	13.004	SW47	5.8	1.083	0.722	0.0751	
60 minute winter	SW47	17.000	SW55	10.4	1.332	1.725	0.1160	
60 minute winter	SW48	14.000	SW47	1.3	0.612	0.215	0.0296	
60 minute winter	SW49	15.000	SW50	1.8	0.554	0.298	0.0322	
60 minute winter	SW50	15.001	SW51	2.7	0.811	0.447	0.0515	

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Results for 100 year +45% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	SW51	37	11.731	0.059	2.7	0.0094	0.0000	OK
60 minute winter	SW52	37	11.700	0.500	4.3	0.1415	0.0000	SURCHARGED
60 minute winter	SW53	32	11.944	0.044	2.2	0.0000	0.0000	OK
60 minute winter	SW54	37	11.709	0.438	2.2	0.1239	0.0000	SURCHARGED
60 minute winter	SW55	37	11.143	0.146	10.4	0.0104	0.0000	SURCHARGED
60 minute winter	SW56	69	10.784	0.490	10.4	0.0000	0.0000	OK
60 minute winter	SW57	69	10.784	0.500	7.8	0.1416	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	SW51	15.002	SW52	2.7	0.549	0.321	0.1559	
60 minute winter	SW52	15.003	SW47	4.6	0.585	0.759	0.0434	
60 minute winter	SW53	16.000	SW54	2.2	0.690	0.364	0.0109	
60 minute winter	SW54	16.001	SW52	2.1	0.448	0.343	0.0558	
60 minute winter	SW55	17.001	SW56	10.4	1.332	1.726	0.0097	
60 minute winter	SW56	Flow through Pond	SW57	7.8	0.043	0.001	16.9427	
60 minute winter	SW57	17.002	SW40	0.1	0.586	0.020	0.0015	

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Results for 100 year +45% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	SW1	126	13.270	0.380	31.2	61.2237	0.0000	SURCHARGED
120 minute summer	SW2	128	12.593	0.011	0.2	0.0031	0.0000	OK
120 minute summer	SW3	128	12.454	0.010	0.2	0.0029	0.0000	OK
120 minute summer	SW4	128	12.243	0.014	0.3	0.0000	0.0000	OK
120 minute summer	SW5	64	13.157	0.057	3.5	0.0000	0.0000	OK
120 minute summer	SW6	64	13.090	0.058	3.5	0.0092	0.0000	OK
120 minute summer	SW7	64	13.003	0.060	3.5	0.0043	0.0000	OK
120 minute summer	SW8	126	12.816	0.561	3.5	0.0000	0.0000	OK
120 minute summer	SW9	126	12.816	0.573	2.7	0.1623	0.0000	SURCHARGED
120 minute summer	SW10	64	13.147	0.027	2.3	0.0000	0.0000	OK
120 minute summer	SW11	126	12.816	0.561	2.3	0.0000	0.0000	OK
120 minute summer	SW12	130	11.887	0.014	0.3	0.0039	0.0000	OK
120 minute summer	SW13	128	11.647	0.018	0.7	0.0156	0.0000	OK
120 minute summer	SW14	124	13.480	0.360	6.6	12.6054	0.0000	FLOOD RISK
120 minute summer	SW15	126	12.902	0.010	0.1	0.0028	0.0000	OK
120 minute summer	SW16	126	12.832	0.010	0.1	0.0028	0.0000	OK
120 minute summer	SW17	128	12.687	0.010	0.2	0.0089	0.0000	OK
120 minute summer	SW18	126	13.148	0.278	29.7	58.4496	0.0000	SURCHARGED
120 minute summer	SW19	128	12.566	0.013	0.3	0.0036	0.0000	OK
120 minute summer	SW20	124	12.888	0.318	6.2	11.8488	0.0000	FLOOD RISK
120 minute summer	SW21	130	11.577	0.019	0.8	0.0053	0.0000	OK
120 minute summer	SW22	126	12.261	0.301	9.4	18.0706	0.0000	FLOOD RISK
120 minute summer	SW23	130	11.033	0.024	1.3	0.0068	0.0000	OK
120 minute summer	SW24	64	12.922	0.082	5.9	0.0000	0.0000	OK
120 minute summer	SW25	64	12.742	0.085	5.9	0.0240	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	SW1	1.000	SW2	0.2	0.322	0.010	0.0174	
120 minute summer	SW2	1.001	SW3	0.2	0.336	0.010	0.0075	
120 minute summer	SW3	1.002	SW4	0.2	0.279	0.009	0.0110	
120 minute summer	SW4	1.008	SW12	0.3	0.384	0.017	0.0287	
120 minute summer	SW5	1.003	SW6	3.5	0.758	0.580	0.0314	
120 minute summer	SW6	1.004	SW7	3.5	0.732	0.580	0.0423	
120 minute summer	SW7	1.005	SW8	3.5	0.750	0.580	0.0049	
120 minute summer	SW8	Flow through Pond	SW9	2.7	0.041	0.001	9.7002	
120 minute summer	SW9	1.007	SW4	0.1	0.241	0.021	0.0007	
120 minute summer	SW10	1.006	SW11	2.3	1.320	0.163	0.0058	
120 minute summer	SW11	Flow through Pond	SW9	2.7	0.041	0.001	9.7002	
120 minute summer	SW12	1.009	SW13	0.3	0.312	0.017	0.0244	
120 minute summer	SW13	1.010	SW21	0.7	0.432	0.013	0.0108	
120 minute summer	SW14	2.000	SW15	0.1	0.306	0.020	0.0092	
120 minute summer	SW15	2.001	SW16	0.1	0.306	0.020	0.0028	
120 minute summer	SW16	2.002	SW17	0.1	0.301	0.020	0.0060	
120 minute summer	SW17	2.003	SW19	0.2	0.381	0.009	0.0037	
120 minute summer	SW18	3.000	SW17	0.1	0.344	0.004	0.0003	
120 minute summer	SW19	2.004	SW13	0.3	0.500	0.014	0.0036	
120 minute summer	SW20	4.000	SW19	0.1	0.245	0.019	0.0008	
120 minute summer	SW21	1.011	SW23	0.8	0.405	0.014	0.0969	
120 minute summer	SW22	5.000	SW21	0.1	0.279	0.011	0.0097	
120 minute summer	SW23	6.010	SW40	1.3	0.598	0.023	0.0185	
120 minute summer	SW24	6.000	SW25	5.9	0.874	0.979	0.1274	
120 minute summer	SW25	6.001	SW26	5.8	0.765	0.966	0.1617	

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Results for 100 year +45% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	SW26	64	12.565	0.125	7.0	0.0000	0.0000	SURCHARGED
120 minute summer	SW27	64	12.817	0.017	1.2	0.0000	0.0000	OK
120 minute summer	SW28	64	12.469	0.091	9.7	0.0792	0.0000	OK
120 minute summer	SW29	64	12.879	0.049	2.7	0.0000	0.0000	OK
120 minute summer	SW30	64	12.426	0.084	9.7	0.0730	0.0000	OK
120 minute summer	SW31	128	12.233	0.575	9.7	0.0000	0.0000	OK
120 minute summer	SW32	128	12.233	0.579	4.9	0.1638	0.0000	SURCHARGED
120 minute summer	SW33	128	11.581	0.012	0.2	0.0106	0.0000	OK
120 minute summer	SW34	126	13.635	0.285	14.0	27.4173	0.0000	FLOOD RISK
120 minute summer	SW35	130	11.431	0.012	0.2	0.0035	0.0000	OK
120 minute summer	SW36	130	11.358	0.012	0.2	0.0035	0.0000	OK
120 minute summer	SW37	128	11.200	0.016	0.4	0.0142	0.0000	OK
120 minute summer	SW38	124	13.148	0.478	11.3	21.4582	0.0000	FLOOD RISK
120 minute summer	SW39	126	12.725	0.425	8.6	16.5526	0.0000	FLOOD RISK
120 minute summer	SW40	130	10.239	0.001	1.6	0.0007	0.0000	OK
120 minute summer	SW41	126	12.560	0.340	8.6	16.5014	0.0000	FLOOD RISK
120 minute summer	SW42	64	12.860	0.040	2.7	0.0000	0.0000	OK
120 minute summer	SW43	64	12.349	0.049	2.7	0.0138	0.0000	OK
120 minute summer	SW44	64	12.261	0.051	2.7	0.0143	0.0000	OK
120 minute summer	SW45	64	12.224	0.065	4.3	0.0185	0.0000	OK
120 minute summer	SW46	64	12.099	0.061	5.1	0.0171	0.0000	OK
120 minute summer	SW47	66	11.553	0.408	9.5	0.1155	0.0000	SURCHARGED
120 minute summer	SW48	64	11.931	0.031	1.2	0.0000	0.0000	OK
120 minute summer	SW49	64	11.935	0.035	1.6	0.0000	0.0000	OK
120 minute summer	SW50	64	11.847	0.046	2.4	0.0073	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	SW26	6.002	SW28	7.0	0.892	1.156	0.0474	
120 minute summer	SW27	7.000	SW26	1.2	0.563	0.064	0.0168	
120 minute summer	SW28	6.003	SW30	9.7	0.903	0.545	0.0385	
120 minute summer	SW29	8.000	SW28	2.7	0.733	0.447	0.0181	
120 minute summer	SW30	6.004	SW31	9.7	0.989	0.545	0.0375	
120 minute summer	SW31	Flow through Pond	SW32	4.9	0.008	0.000	18.6406	
120 minute summer	SW32	6.005	SW33	0.1	0.305	0.021	0.0015	
120 minute summer	SW33	6.006	SW35	0.2	0.350	0.013	0.0101	
120 minute summer	SW34	9.000	SW33	0.1	0.370	0.013	0.0005	
120 minute summer	SW35	6.007	SW36	0.2	0.351	0.013	0.0049	
120 minute summer	SW36	6.008	SW37	0.2	0.280	0.013	0.0138	
120 minute summer	SW37	6.009	SW23	0.4	0.314	0.025	0.0249	
120 minute summer	SW38	10.000	SW37	0.2	0.441	0.024	0.0007	
120 minute summer	SW39	11.000	SW23	0.1	0.368	0.013	0.0004	
120 minute summer	SW40	Pump		1.6				28.4
120 minute summer	SW41	12.000	SW40	0.1	0.381	0.014	0.0007	
120 minute summer	SW42	13.000	SW43	2.7	0.942	0.315	0.0103	
120 minute summer	SW43	13.001	SW44	2.7	0.695	0.447	0.0350	
120 minute summer	SW44	13.002	SW45	2.7	0.574	0.447	0.0242	
120 minute summer	SW45	13.003	SW46	4.3	0.828	0.712	0.0627	
120 minute summer	SW46	13.004	SW47	5.1	1.056	0.636	0.0679	
120 minute summer	SW47	17.000	SW55	9.4	1.199	1.553	0.1160	
120 minute summer	SW48	14.000	SW47	1.2	0.598	0.199	0.0279	
120 minute summer	SW49	15.000	SW50	1.6	0.537	0.265	0.0295	
120 minute summer	SW50	15.001	SW51	2.4	0.786	0.398	0.0395	

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Results for 100 year +45% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	SW51	64	11.709	0.037	2.4	0.0058	0.0000	OK
120 minute summer	SW52	66	11.581	0.381	3.8	0.1077	0.0000	SURCHARGED
120 minute summer	SW53	64	11.941	0.041	2.0	0.0000	0.0000	OK
120 minute summer	SW54	66	11.588	0.317	2.0	0.0896	0.0000	SURCHARGED
120 minute summer	SW55	66	11.130	0.133	9.4	0.0095	0.0000	SURCHARGED
120 minute summer	SW56	130	10.882	0.588	9.4	0.0000	0.0000	OK
120 minute summer	SW57	130	10.882	0.598	5.2	0.1692	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	SW51	15.002	SW52	2.4	0.541	0.286	0.1286	
120 minute summer	SW52	15.003	SW47	3.9	0.505	0.654	0.0434	
120 minute summer	SW53	16.000	SW54	2.0	0.674	0.331	0.0101	
120 minute summer	SW54	16.001	SW52	1.8	0.425	0.299	0.0558	
120 minute summer	SW55	17.001	SW56	9.4	1.196	1.550	0.0097	
120 minute summer	SW56	Flow through Pond	SW57	5.2	0.033	0.001	20.2829	
120 minute summer	SW57	17.002	SW40	0.1	0.584	0.021	0.0016	

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Results for 100 year +45% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	SW1	124	13.270	0.380	21.5	61.2977	0.0000	SURCHARGED
120 minute winter	SW2	126	12.593	0.011	0.2	0.0031	0.0000	OK
120 minute winter	SW3	126	12.454	0.010	0.2	0.0029	0.0000	OK
120 minute winter	SW4	126	12.243	0.014	0.3	0.0000	0.0000	OK
120 minute winter	SW5	62	13.145	0.045	2.4	0.0000	0.0000	OK
120 minute winter	SW6	62	13.077	0.045	2.4	0.0072	0.0000	OK
120 minute winter	SW7	62	12.991	0.048	2.4	0.0034	0.0000	OK
120 minute winter	SW8	124	12.816	0.561	2.4	0.0000	0.0000	OK
120 minute winter	SW9	124	12.816	0.573	1.9	0.1623	0.0000	SURCHARGED
120 minute winter	SW10	62	13.143	0.023	1.6	0.0000	0.0000	OK
120 minute winter	SW11	124	12.816	0.561	1.6	0.0000	0.0000	OK
120 minute winter	SW12	128	11.887	0.014	0.3	0.0039	0.0000	OK
120 minute winter	SW13	126	11.647	0.018	0.7	0.0156	0.0000	OK
120 minute winter	SW14	122	13.480	0.360	4.6	12.6079	0.0000	FLOOD RISK
120 minute winter	SW15	124	12.902	0.010	0.1	0.0028	0.0000	OK
120 minute winter	SW16	124	12.832	0.010	0.1	0.0028	0.0000	OK
120 minute winter	SW17	126	12.687	0.010	0.2	0.0089	0.0000	OK
120 minute winter	SW18	124	13.148	0.278	20.4	58.4913	0.0000	SURCHARGED
120 minute winter	SW19	126	12.566	0.013	0.3	0.0036	0.0000	OK
120 minute winter	SW20	122	12.889	0.319	4.3	11.8974	0.0000	FLOOD RISK
120 minute winter	SW21	128	11.577	0.019	0.8	0.0053	0.0000	OK
120 minute winter	SW22	124	12.261	0.301	6.4	18.0658	0.0000	FLOOD RISK
120 minute winter	SW23	128	11.033	0.024	1.3	0.0068	0.0000	OK
120 minute winter	SW24	64	12.900	0.060	4.0	0.0000	0.0000	OK
120 minute winter	SW25	64	12.716	0.059	4.0	0.0168	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	SW1	1.000	SW2	0.2	0.322	0.010	0.0174	
120 minute winter	SW2	1.001	SW3	0.2	0.336	0.010	0.0075	
120 minute winter	SW3	1.002	SW4	0.2	0.279	0.009	0.0110	
120 minute winter	SW4	1.008	SW12	0.3	0.384	0.017	0.0287	
120 minute winter	SW5	1.003	SW6	2.4	0.698	0.398	0.0234	
120 minute winter	SW6	1.004	SW7	2.4	0.671	0.398	0.0316	
120 minute winter	SW7	1.005	SW8	2.4	0.683	0.398	0.0037	
120 minute winter	SW8	Flow through Pond	SW9	1.9	0.036	0.001	9.7015	
120 minute winter	SW9	1.007	SW4	0.1	0.241	0.021	0.0007	
120 minute winter	SW10	1.006	SW11	1.6	1.189	0.114	0.0045	
120 minute winter	SW11	Flow through Pond	SW9	1.9	0.036	0.001	9.7015	
120 minute winter	SW12	1.009	SW13	0.3	0.312	0.017	0.0244	
120 minute winter	SW13	1.010	SW21	0.7	0.432	0.013	0.0108	
120 minute winter	SW14	2.000	SW15	0.1	0.306	0.020	0.0092	
120 minute winter	SW15	2.001	SW16	0.1	0.306	0.020	0.0028	
120 minute winter	SW16	2.002	SW17	0.1	0.301	0.020	0.0060	
120 minute winter	SW17	2.003	SW19	0.2	0.381	0.009	0.0037	
120 minute winter	SW18	3.000	SW17	0.1	0.344	0.004	0.0003	
120 minute winter	SW19	2.004	SW13	0.3	0.500	0.014	0.0036	
120 minute winter	SW20	4.000	SW19	0.1	0.245	0.019	0.0008	
120 minute winter	SW21	1.011	SW23	0.8	0.405	0.014	0.0970	
120 minute winter	SW22	5.000	SW21	0.1	0.281	0.011	0.0097	
120 minute winter	SW23	6.010	SW40	1.3	0.598	0.023	0.0185	
120 minute winter	SW24	6.000	SW25	4.0	0.819	0.663	0.0894	
120 minute winter	SW25	6.001	SW26	4.0	0.740	0.663	0.1172	

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Results for 100 year +45% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	SW26	64	12.511	0.071	4.8	0.0000	0.0000	OK
120 minute winter	SW27	60	12.814	0.014	0.8	0.0000	0.0000	OK
120 minute winter	SW28	64	12.450	0.072	6.7	0.0627	0.0000	OK
120 minute winter	SW29	64	12.870	0.040	1.9	0.0000	0.0000	OK
120 minute winter	SW30	64	12.410	0.068	6.7	0.0585	0.0000	OK
120 minute winter	SW31	126	12.231	0.572	6.7	0.0000	0.0000	OK
120 minute winter	SW32	126	12.230	0.576	3.4	0.1631	0.0000	SURCHARGED
120 minute winter	SW33	126	11.581	0.012	0.2	0.0106	0.0000	OK
120 minute winter	SW34	124	13.635	0.285	9.7	27.4179	0.0000	FLOOD RISK
120 minute winter	SW35	128	11.431	0.012	0.2	0.0035	0.0000	OK
120 minute winter	SW36	128	11.358	0.012	0.2	0.0035	0.0000	OK
120 minute winter	SW37	126	11.200	0.016	0.4	0.0142	0.0000	OK
120 minute winter	SW38	122	13.151	0.481	7.8	21.5988	0.0000	FLOOD RISK
120 minute winter	SW39	124	12.727	0.427	5.9	16.6177	0.0000	FLOOD RISK
120 minute winter	SW40	128	10.239	0.001	1.6	0.0007	0.0000	OK
120 minute winter	SW41	124	12.561	0.341	5.9	16.5676	0.0000	FLOOD RISK
120 minute winter	SW42	64	12.853	0.033	1.9	0.0000	0.0000	OK
120 minute winter	SW43	64	12.340	0.040	1.9	0.0113	0.0000	OK
120 minute winter	SW44	64	12.251	0.041	1.9	0.0115	0.0000	OK
120 minute winter	SW45	64	12.211	0.052	3.0	0.0147	0.0000	OK
120 minute winter	SW46	64	12.086	0.048	3.5	0.0135	0.0000	OK
120 minute winter	SW47	68	11.328	0.183	7.0	0.0517	0.0000	SURCHARGED
120 minute winter	SW48	62	11.925	0.025	0.8	0.0000	0.0000	OK
120 minute winter	SW49	64	11.929	0.029	1.1	0.0000	0.0000	OK
120 minute winter	SW50	62	11.838	0.037	1.6	0.0058	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	SW26	6.002	SW28	4.8	0.798	0.795	0.0372	
120 minute winter	SW27	7.000	SW26	0.8	0.571	0.043	0.0128	
120 minute winter	SW28	6.003	SW30	6.7	0.832	0.377	0.0290	
120 minute winter	SW29	8.000	SW28	1.9	0.670	0.315	0.0139	
120 minute winter	SW30	6.004	SW31	6.7	0.903	0.377	0.0284	
120 minute winter	SW31	Flow through Pond	SW32	3.4	0.005	0.000	18.5611	
120 minute winter	SW32	6.005	SW33	0.1	0.305	0.021	0.0015	
120 minute winter	SW33	6.006	SW35	0.2	0.350	0.013	0.0101	
120 minute winter	SW34	9.000	SW33	0.1	0.370	0.013	0.0005	
120 minute winter	SW35	6.007	SW36	0.2	0.351	0.013	0.0049	
120 minute winter	SW36	6.008	SW37	0.2	0.279	0.013	0.0138	
120 minute winter	SW37	6.009	SW23	0.4	0.314	0.025	0.0249	
120 minute winter	SW38	10.000	SW37	0.2	0.442	0.024	0.0007	
120 minute winter	SW39	11.000	SW23	0.1	0.368	0.013	0.0004	
120 minute winter	SW40	Pump		1.6				28.4
120 minute winter	SW41	12.000	SW40	0.1	0.381	0.014	0.0007	
120 minute winter	SW42	13.000	SW43	1.9	0.859	0.221	0.0079	
120 minute winter	SW43	13.001	SW44	1.9	0.644	0.315	0.0266	
120 minute winter	SW44	13.002	SW45	1.9	0.536	0.315	0.0182	
120 minute winter	SW45	13.003	SW46	3.0	0.771	0.497	0.0470	
120 minute winter	SW46	13.004	SW47	3.5	0.968	0.437	0.0508	
120 minute winter	SW47	17.000	SW55	7.0	0.893	1.158	0.1160	
120 minute winter	SW48	14.000	SW47	0.8	0.533	0.133	0.0209	
120 minute winter	SW49	15.000	SW50	1.1	0.492	0.182	0.0222	
120 minute winter	SW50	15.001	SW51	1.6	0.705	0.265	0.0294	

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Results for 100 year +45% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	SW51	64	11.702	0.030	1.6	0.0047	0.0000	OK
120 minute winter	SW52	68	11.344	0.144	2.9	0.0408	0.0000	SURCHARGED
120 minute winter	SW53	62	11.933	0.033	1.3	0.0000	0.0000	OK
120 minute winter	SW54	68	11.348	0.077	1.3	0.0217	0.0000	OK
120 minute winter	SW55	68	11.099	0.102	7.0	0.0073	0.0000	SURCHARGED
120 minute winter	SW56	128	10.875	0.581	7.0	0.0000	0.0000	OK
120 minute winter	SW57	128	10.875	0.591	4.4	0.1673	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	SW51	15.002	SW52	1.6	0.543	0.191	0.1204	
120 minute winter	SW52	15.003	SW47	2.9	0.452	0.476	0.0434	
120 minute winter	SW53	16.000	SW54	1.3	0.601	0.215	0.0074	
120 minute winter	SW54	16.001	SW52	1.3	0.432	0.217	0.0508	
120 minute winter	SW55	17.001	SW56	7.0	0.918	1.158	0.0094	
120 minute winter	SW56	Flow through Pond	SW57	4.4	0.037	0.000	20.0547	
120 minute winter	SW57	17.002	SW40	0.1	0.587	0.021	0.0016	

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Results for 100 year +45% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	SW1	188	13.306	0.416	23.0	67.0824	0.0000	FLOOD RISK
180 minute summer	SW2	188	12.593	0.011	0.2	0.0032	0.0000	OK
180 minute summer	SW3	188	12.454	0.010	0.2	0.0030	0.0000	OK
180 minute summer	SW4	188	12.243	0.014	0.3	0.0000	0.0000	OK
180 minute summer	SW5	96	13.147	0.047	2.6	0.0000	0.0000	OK
180 minute summer	SW6	96	13.080	0.048	2.6	0.0076	0.0000	OK
180 minute summer	SW7	96	12.993	0.050	2.6	0.0036	0.0000	OK
180 minute summer	SW8	188	12.868	0.613	2.6	0.0000	0.0000	OK
180 minute summer	SW9	188	12.868	0.625	2.0	0.1768	0.0000	SURCHARGED
180 minute summer	SW10	96	13.144	0.024	1.7	0.0000	0.0000	OK
180 minute summer	SW11	188	12.868	0.613	1.7	0.0000	0.0000	OK
180 minute summer	SW12	192	11.887	0.014	0.3	0.0040	0.0000	OK
180 minute summer	SW13	188	11.647	0.018	0.7	0.0159	0.0000	OK
180 minute summer	SW14	184	13.510	0.390	4.9	13.6633	0.0000	FLOOD RISK
180 minute summer	SW15	188	12.902	0.010	0.1	0.0029	0.0000	OK
180 minute summer	SW16	188	12.832	0.010	0.1	0.0029	0.0000	OK
180 minute summer	SW17	188	12.687	0.010	0.2	0.0090	0.0000	OK
180 minute summer	SW18	188	13.176	0.306	21.9	64.3101	0.0000	SURCHARGED
180 minute summer	SW19	188	12.566	0.013	0.4	0.0036	0.0000	OK
180 minute summer	SW20	184	12.914	0.344	4.6	12.8547	0.0000	FLOOD RISK
180 minute summer	SW21	192	11.577	0.019	0.8	0.0054	0.0000	OK
180 minute summer	SW22	188	12.288	0.328	6.9	19.7206	0.0000	FLOOD RISK
180 minute summer	SW23	192	11.034	0.025	1.4	0.0069	0.0000	OK
180 minute summer	SW24	96	12.903	0.063	4.3	0.0000	0.0000	OK
180 minute summer	SW25	96	12.719	0.062	4.3	0.0176	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	SW1	1.000	SW2	0.2	0.327	0.011	0.0180	
180 minute summer	SW2	1.001	SW3	0.2	0.341	0.011	0.0077	
180 minute summer	SW3	1.002	SW4	0.2	0.283	0.009	0.0114	
180 minute summer	SW4	1.008	SW12	0.3	0.389	0.018	0.0297	
180 minute summer	SW5	1.003	SW6	2.6	0.711	0.431	0.0249	
180 minute summer	SW6	1.004	SW7	2.6	0.684	0.431	0.0336	
180 minute summer	SW7	1.005	SW8	2.6	0.697	0.431	0.0039	
180 minute summer	SW8	Flow through Pond	SW9	2.0	0.023	0.001	10.5795	
180 minute summer	SW9	1.007	SW4	0.1	0.244	0.022	0.0008	
180 minute summer	SW10	1.006	SW11	1.7	1.210	0.121	0.0047	
180 minute summer	SW11	Flow through Pond	SW9	2.0	0.023	0.001	10.5795	
180 minute summer	SW12	1.009	SW13	0.3	0.317	0.018	0.0251	
180 minute summer	SW13	1.010	SW21	0.7	0.438	0.013	0.0112	
180 minute summer	SW14	2.000	SW15	0.1	0.309	0.021	0.0095	
180 minute summer	SW15	2.001	SW16	0.1	0.309	0.021	0.0029	
180 minute summer	SW16	2.002	SW17	0.1	0.305	0.021	0.0061	
180 minute summer	SW17	2.003	SW19	0.2	0.386	0.009	0.0038	
180 minute summer	SW18	3.000	SW17	0.1	0.349	0.005	0.0003	
180 minute summer	SW19	2.004	SW13	0.4	0.507	0.014	0.0037	
180 minute summer	SW20	4.000	SW19	0.1	0.247	0.020	0.0008	
180 minute summer	SW21	1.011	SW23	0.8	0.410	0.015	0.0999	
180 minute summer	SW22	5.000	SW21	0.1	0.226	0.012	0.0100	
180 minute summer	SW23	6.010	SW40	1.4	0.605	0.024	0.0191	
180 minute summer	SW24	6.000	SW25	4.3	0.833	0.712	0.0947	
180 minute summer	SW25	6.001	SW26	4.3	0.746	0.712	0.1247	

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Results for 100 year +45% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	SW26	96	12.516	0.076	5.2	0.0000	0.0000	OK
180 minute summer	SW27	96	12.815	0.015	0.9	0.0000	0.0000	OK
180 minute summer	SW28	96	12.454	0.076	7.2	0.0655	0.0000	OK
180 minute summer	SW29	96	12.871	0.041	2.0	0.0000	0.0000	OK
180 minute summer	SW30	96	12.413	0.070	7.2	0.0611	0.0000	OK
180 minute summer	SW31	188	12.278	0.620	7.2	0.0000	0.0000	OK
180 minute summer	SW32	188	12.278	0.624	3.7	0.1765	0.0000	SURCHARGED
180 minute summer	SW33	188	11.581	0.012	0.2	0.0108	0.0000	OK
180 minute summer	SW34	188	13.661	0.311	10.4	29.9467	0.0000	FLOOD RISK
180 minute summer	SW35	192	11.432	0.013	0.2	0.0036	0.0000	OK
180 minute summer	SW36	192	11.358	0.012	0.2	0.0035	0.0000	OK
180 minute summer	SW37	188	11.201	0.017	0.5	0.0145	0.0000	OK
180 minute summer	SW38	184	13.187	0.517	8.3	23.2122	0.0000	FLOOD RISK
180 minute summer	SW39	188	12.764	0.464	6.3	18.0679	0.0000	FLOOD RISK
180 minute summer	SW40	192	10.239	0.001	1.6	0.0007	0.0000	OK
180 minute summer	SW41	188	12.590	0.370	6.3	17.9881	0.0000	FLOOD RISK
180 minute summer	SW42	96	12.854	0.034	2.0	0.0000	0.0000	OK
180 minute summer	SW43	96	12.341	0.041	2.0	0.0116	0.0000	OK
180 minute summer	SW44	96	12.252	0.042	2.0	0.0119	0.0000	OK
180 minute summer	SW45	96	12.213	0.054	3.2	0.0152	0.0000	OK
180 minute summer	SW46	96	12.088	0.050	3.8	0.0142	0.0000	OK
180 minute summer	SW47	96	11.360	0.215	7.5	0.0608	0.0000	SURCHARGED
180 minute summer	SW48	96	11.926	0.026	0.9	0.0000	0.0000	OK
180 minute summer	SW49	96	11.930	0.030	1.2	0.0000	0.0000	OK
180 minute summer	SW50	96	11.840	0.039	1.8	0.0062	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	SW26	6.002	SW28	5.2	0.818	0.861	0.0394	
180 minute summer	SW27	7.000	SW26	0.9	0.266	0.048	0.0137	
180 minute summer	SW28	6.003	SW30	7.2	0.845	0.406	0.0306	
180 minute summer	SW29	8.000	SW28	2.0	0.679	0.331	0.0145	
180 minute summer	SW30	6.004	SW31	7.2	0.920	0.406	0.0300	
180 minute summer	SW31	Flow through Pond	SW32	3.7	0.003	0.000	20.0855	
180 minute summer	SW32	6.005	SW33	0.1	0.308	0.022	0.0015	
180 minute summer	SW33	6.006	SW35	0.2	0.354	0.014	0.0104	
180 minute summer	SW34	9.000	SW33	0.1	0.375	0.013	0.0005	
180 minute summer	SW35	6.007	SW36	0.2	0.355	0.014	0.0051	
180 minute summer	SW36	6.008	SW37	0.2	0.283	0.014	0.0142	
180 minute summer	SW37	6.009	SW23	0.5	0.317	0.026	0.0257	
180 minute summer	SW38	10.000	SW37	0.2	0.446	0.025	0.0007	
180 minute summer	SW39	11.000	SW23	0.1	0.373	0.013	0.0004	
180 minute summer	SW40	Pump		1.6				33.3
180 minute summer	SW41	12.000	SW40	0.1	0.386	0.015	0.0007	
180 minute summer	SW42	13.000	SW43	2.0	0.870	0.233	0.0082	
180 minute summer	SW43	13.001	SW44	2.0	0.652	0.331	0.0276	
180 minute summer	SW44	13.002	SW45	2.0	0.540	0.331	0.0191	
180 minute summer	SW45	13.003	SW46	3.2	0.778	0.530	0.0497	
180 minute summer	SW46	13.004	SW47	3.8	0.988	0.474	0.0541	
180 minute summer	SW47	17.000	SW55	7.3	0.938	1.215	0.1160	
180 minute summer	SW48	14.000	SW47	0.9	0.552	0.149	0.0227	
180 minute summer	SW49	15.000	SW50	1.2	0.498	0.199	0.0239	
180 minute summer	SW50	15.001	SW51	1.8	0.728	0.298	0.0320	

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Results for 100 year +45% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	SW51	96	11.704	0.032	1.8	0.0050	0.0000	OK
180 minute summer	SW52	100	11.379	0.179	3.0	0.0507	0.0000	SURCHARGED
180 minute summer	SW53	96	11.934	0.034	1.4	0.0000	0.0000	OK
180 minute summer	SW54	100	11.384	0.113	1.4	0.0320	0.0000	SURCHARGED
180 minute summer	SW55	100	11.104	0.107	7.3	0.0076	0.0000	SURCHARGED
180 minute summer	SW56	192	10.935	0.642	7.4	0.0000	0.0000	OK
180 minute summer	SW57	192	10.936	0.652	4.0	0.1844	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	SW51	15.002	SW52	1.8	0.545	0.215	0.1226	
180 minute summer	SW52	15.003	SW47	3.1	0.448	0.515	0.0434	
180 minute summer	SW53	16.000	SW54	1.4	0.613	0.232	0.0078	
180 minute summer	SW54	16.001	SW52	1.4	0.430	0.229	0.0558	
180 minute summer	SW55	17.001	SW56	7.4	0.948	1.218	0.0094	
180 minute summer	SW56	Flow through Pond	SW57	4.0	0.029	0.000	22.1228	
180 minute summer	SW57	17.002	SW40	0.1	0.588	0.022	0.0016	

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Results for 100 year +45% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	SW1	184	13.307	0.417	15.8	67.2677	0.0000	FLOOD RISK
180 minute winter	SW2	188	12.593	0.011	0.2	0.0032	0.0000	OK
180 minute winter	SW3	188	12.454	0.010	0.2	0.0030	0.0000	OK
180 minute winter	SW4	188	12.243	0.014	0.3	0.0000	0.0000	OK
180 minute winter	SW5	96	13.138	0.038	1.8	0.0000	0.0000	OK
180 minute winter	SW6	96	13.071	0.039	1.8	0.0061	0.0000	OK
180 minute winter	SW7	96	12.984	0.041	1.8	0.0029	0.0000	OK
180 minute winter	SW8	184	12.864	0.609	1.8	0.0000	0.0000	OK
180 minute winter	SW9	184	12.864	0.621	1.4	0.1756	0.0000	SURCHARGED
180 minute winter	SW10	96	13.140	0.020	1.2	0.0000	0.0000	OK
180 minute winter	SW11	184	12.864	0.609	1.2	0.0000	0.0000	OK
180 minute winter	SW12	188	11.887	0.014	0.3	0.0040	0.0000	OK
180 minute winter	SW13	188	11.647	0.018	0.7	0.0159	0.0000	OK
180 minute winter	SW14	184	13.512	0.392	3.4	13.7326	0.0000	FLOOD RISK
180 minute winter	SW15	184	12.902	0.010	0.1	0.0029	0.0000	OK
180 minute winter	SW16	184	12.832	0.010	0.1	0.0029	0.0000	OK
180 minute winter	SW17	188	12.687	0.010	0.2	0.0091	0.0000	OK
180 minute winter	SW18	188	13.176	0.306	15.0	64.3920	0.0000	SURCHARGED
180 minute winter	SW19	184	12.566	0.013	0.4	0.0037	0.0000	OK
180 minute winter	SW20	184	12.916	0.346	3.2	12.9220	0.0000	FLOOD RISK
180 minute winter	SW21	188	11.577	0.019	0.8	0.0054	0.0000	OK
180 minute winter	SW22	184	12.290	0.330	4.7	19.8067	0.0000	FLOOD RISK
180 minute winter	SW23	188	11.034	0.025	1.4	0.0069	0.0000	OK
180 minute winter	SW24	96	12.890	0.050	3.0	0.0000	0.0000	OK
180 minute winter	SW25	96	12.707	0.050	3.0	0.0141	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	SW1	1.000	SW2	0.2	0.327	0.011	0.0180	
180 minute winter	SW2	1.001	SW3	0.2	0.341	0.011	0.0077	
180 minute winter	SW3	1.002	SW4	0.2	0.283	0.009	0.0114	
180 minute winter	SW4	1.008	SW12	0.3	0.389	0.018	0.0297	
180 minute winter	SW5	1.003	SW6	1.8	0.652	0.298	0.0188	
180 minute winter	SW6	1.004	SW7	1.8	0.626	0.298	0.0255	
180 minute winter	SW7	1.005	SW8	1.8	0.633	0.298	0.0030	
180 minute winter	SW8	Flow through Pond	SW9	1.4	0.023	0.000	10.5071	
180 minute winter	SW9	1.007	SW4	0.1	0.244	0.022	0.0008	
180 minute winter	SW10	1.006	SW11	1.2	1.093	0.085	0.0036	
180 minute winter	SW11	Flow through Pond	SW9	1.4	0.023	0.000	10.5071	
180 minute winter	SW12	1.009	SW13	0.3	0.316	0.018	0.0251	
180 minute winter	SW13	1.010	SW21	0.7	0.438	0.013	0.0112	
180 minute winter	SW14	2.000	SW15	0.1	0.309	0.021	0.0095	
180 minute winter	SW15	2.001	SW16	0.1	0.310	0.021	0.0029	
180 minute winter	SW16	2.002	SW17	0.1	0.305	0.021	0.0062	
180 minute winter	SW17	2.003	SW19	0.2	0.386	0.009	0.0038	
180 minute winter	SW18	3.000	SW17	0.1	0.349	0.005	0.0003	
180 minute winter	SW19	2.004	SW13	0.4	0.507	0.014	0.0037	
180 minute winter	SW20	4.000	SW19	0.1	0.247	0.020	0.0008	
180 minute winter	SW21	1.011	SW23	0.8	0.410	0.015	0.1000	
180 minute winter	SW22	5.000	SW21	0.1	0.260	0.012	0.0100	
180 minute winter	SW23	6.010	SW40	1.4	0.605	0.024	0.0191	
180 minute winter	SW24	6.000	SW25	3.0	0.766	0.497	0.0717	
180 minute winter	SW25	6.001	SW26	3.0	0.698	0.497	0.0933	

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Results for 100 year +45% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	SW26	96	12.498	0.058	3.6	0.0000	0.0000	OK
180 minute winter	SW27	92	12.812	0.012	0.6	0.0000	0.0000	OK
180 minute winter	SW28	96	12.439	0.061	5.0	0.0526	0.0000	OK
180 minute winter	SW29	96	12.864	0.034	1.4	0.0000	0.0000	OK
180 minute winter	SW30	96	12.399	0.057	5.0	0.0496	0.0000	OK
180 minute winter	SW31	188	12.279	0.621	5.0	0.0000	0.0000	OK
180 minute winter	SW32	188	12.279	0.625	2.6	0.1768	0.0000	SURCHARGED
180 minute winter	SW33	188	11.581	0.012	0.2	0.0108	0.0000	OK
180 minute winter	SW34	184	13.662	0.312	7.1	30.0080	0.0000	FLOOD RISK
180 minute winter	SW35	188	11.432	0.013	0.2	0.0036	0.0000	OK
180 minute winter	SW36	188	11.358	0.012	0.2	0.0035	0.0000	OK
180 minute winter	SW37	188	11.201	0.017	0.5	0.0145	0.0000	OK
180 minute winter	SW38	184	13.187	0.517	5.7	23.2345	0.0000	FLOOD RISK
180 minute winter	SW39	184	12.765	0.465	4.4	18.1059	0.0000	FLOOD RISK
180 minute winter	SW40	188	10.239	0.001	1.6	0.0007	0.0000	OK
180 minute winter	SW41	184	12.591	0.371	4.4	18.0288	0.0000	FLOOD RISK
180 minute winter	SW42	96	12.848	0.028	1.4	0.0000	0.0000	OK
180 minute winter	SW43	96	12.334	0.034	1.4	0.0095	0.0000	OK
180 minute winter	SW44	96	12.244	0.034	1.4	0.0097	0.0000	OK
180 minute winter	SW45	96	12.202	0.043	2.2	0.0122	0.0000	OK
180 minute winter	SW46	96	12.078	0.040	2.6	0.0114	0.0000	OK
180 minute winter	SW47	96	11.223	0.078	5.4	0.0220	0.0000	OK
180 minute winter	SW48	92	11.921	0.021	0.6	0.0000	0.0000	OK
180 minute winter	SW49	92	11.925	0.025	0.8	0.0000	0.0000	OK
180 minute winter	SW50	92	11.833	0.032	1.2	0.0050	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	SW26	6.002	SW28	3.6	0.743	0.596	0.0300	
180 minute winter	SW27	7.000	SW26	0.6	0.255	0.032	0.0101	
180 minute winter	SW28	6.003	SW30	5.0	0.777	0.282	0.0231	
180 minute winter	SW29	8.000	SW28	1.4	0.617	0.232	0.0111	
180 minute winter	SW30	6.004	SW31	5.0	0.837	0.282	0.0229	
180 minute winter	SW31	Flow through Pond	SW32	2.6	0.005	0.000	20.1231	
180 minute winter	SW32	6.005	SW33	0.1	0.308	0.022	0.0015	
180 minute winter	SW33	6.006	SW35	0.2	0.355	0.014	0.0104	
180 minute winter	SW34	9.000	SW33	0.1	0.375	0.013	0.0005	
180 minute winter	SW35	6.007	SW36	0.2	0.355	0.014	0.0051	
180 minute winter	SW36	6.008	SW37	0.2	0.283	0.014	0.0142	
180 minute winter	SW37	6.009	SW23	0.5	0.317	0.026	0.0257	
180 minute winter	SW38	10.000	SW37	0.2	0.446	0.025	0.0007	
180 minute winter	SW39	11.000	SW23	0.1	0.373	0.013	0.0004	
180 minute winter	SW40	Pump		1.6				33.4
180 minute winter	SW41	12.000	SW40	0.1	0.386	0.015	0.0007	
180 minute winter	SW42	13.000	SW43	1.4	0.791	0.163	0.0063	
180 minute winter	SW43	13.001	SW44	1.4	0.599	0.232	0.0211	
180 minute winter	SW44	13.002	SW45	1.4	0.501	0.232	0.0144	
180 minute winter	SW45	13.003	SW46	2.2	0.712	0.364	0.0374	
180 minute winter	SW46	13.004	SW47	2.6	0.898	0.324	0.0407	
180 minute winter	SW47	17.000	SW55	5.4	0.819	0.894	0.0977	
180 minute winter	SW48	14.000	SW47	0.6	0.491	0.099	0.0170	
180 minute winter	SW49	15.000	SW50	0.8	0.445	0.133	0.0179	
180 minute winter	SW50	15.001	SW51	1.2	0.651	0.199	0.0239	

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Results for 100 year +45% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	SW51	92	11.698	0.026	1.2	0.0041	0.0000	OK
180 minute winter	SW52	96	11.242	0.042	2.2	0.0118	0.0000	OK
180 minute winter	SW53	96	11.928	0.028	1.0	0.0000	0.0000	OK
180 minute winter	SW54	96	11.299	0.028	1.0	0.0078	0.0000	OK
180 minute winter	SW55	96	11.076	0.079	5.4	0.0056	0.0000	OK
180 minute winter	SW56	188	10.931	0.637	5.4	0.0000	0.0000	OK
180 minute winter	SW57	188	10.931	0.647	3.0	0.1832	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	SW51	15.002	SW52	1.2	0.527	0.143	0.0577	
180 minute winter	SW52	15.003	SW47	2.2	0.453	0.364	0.0267	
180 minute winter	SW53	16.000	SW54	1.0	0.559	0.166	0.0061	
180 minute winter	SW54	16.001	SW52	1.0	0.415	0.166	0.0173	
180 minute winter	SW55	17.001	SW56	5.4	0.847	0.894	0.0080	
180 minute winter	SW56	Flow through Pond	SW57	3.0	0.025	0.000	21.9686	
180 minute winter	SW57	17.002	SW40	0.1	0.582	0.022	0.0016	

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Results for 100 year +45% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.66%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	SW1	248	13.332	0.442	19.2	71.3676	0.0000	FLOOD RISK
240 minute summer	SW2	248	12.593	0.011	0.2	0.0032	0.0000	OK
240 minute summer	SW3	248	12.455	0.011	0.2	0.0030	0.0000	OK
240 minute summer	SW4	248	12.243	0.014	0.3	0.0000	0.0000	OK
240 minute summer	SW5	124	13.143	0.043	2.2	0.0000	0.0000	OK
240 minute summer	SW6	124	13.075	0.043	2.2	0.0068	0.0000	OK
240 minute summer	SW7	124	12.988	0.045	2.2	0.0032	0.0000	OK
240 minute summer	SW8	248	12.886	0.631	2.2	0.0000	0.0000	OK
240 minute summer	SW9	248	12.886	0.643	1.7	0.1819	0.0000	SURCHARGED
240 minute summer	SW10	124	13.141	0.021	1.4	0.0000	0.0000	OK
240 minute summer	SW11	248	12.886	0.631	1.4	0.0000	0.0000	OK
240 minute summer	SW12	252	11.887	0.014	0.3	0.0040	0.0000	OK
240 minute summer	SW13	248	11.648	0.019	0.7	0.0161	0.0000	OK
240 minute summer	SW14	244	13.529	0.409	4.1	14.3198	0.0000	FLOOD RISK
240 minute summer	SW15	248	12.902	0.010	0.1	0.0029	0.0000	OK
240 minute summer	SW16	248	12.832	0.010	0.1	0.0029	0.0000	OK
240 minute summer	SW17	248	12.688	0.011	0.2	0.0092	0.0000	OK
240 minute summer	SW18	248	13.195	0.325	18.3	68.3861	0.0000	SURCHARGED
240 minute summer	SW19	248	12.566	0.013	0.4	0.0037	0.0000	OK
240 minute summer	SW20	244	12.933	0.363	3.8	13.5529	0.0000	FLOOD RISK
240 minute summer	SW21	252	11.577	0.019	0.8	0.0055	0.0000	OK
240 minute summer	SW22	244	12.306	0.346	5.8	20.7811	0.0000	FLOOD RISK
240 minute summer	SW23	252	11.034	0.025	1.4	0.0070	0.0000	OK
240 minute summer	SW24	124	12.896	0.056	3.6	0.0000	0.0000	OK
240 minute summer	SW25	124	12.712	0.055	3.6	0.0156	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	SW1	1.000	SW2	0.2	0.330	0.011	0.0184	
240 minute summer	SW2	1.001	SW3	0.2	0.344	0.011	0.0079	
240 minute summer	SW3	1.002	SW4	0.2	0.287	0.010	0.0116	
240 minute summer	SW4	1.008	SW12	0.3	0.392	0.019	0.0302	
240 minute summer	SW5	1.003	SW6	2.2	0.684	0.363	0.0218	
240 minute summer	SW6	1.004	SW7	2.2	0.657	0.361	0.0294	
240 minute summer	SW7	1.005	SW8	2.2	0.665	0.360	0.0034	
240 minute summer	SW8	Flow through Pond	SW9	1.7	0.024	0.000	10.8883	
240 minute summer	SW9	1.007	SW4	0.1	0.244	0.022	0.0008	
240 minute summer	SW10	1.006	SW11	1.4	1.143	0.099	0.0041	
240 minute summer	SW11	Flow through Pond	SW9	1.7	0.024	0.000	10.8883	
240 minute summer	SW12	1.009	SW13	0.3	0.319	0.019	0.0256	
240 minute summer	SW13	1.010	SW21	0.7	0.441	0.014	0.0114	
240 minute summer	SW14	2.000	SW15	0.1	0.311	0.022	0.0096	
240 minute summer	SW15	2.001	SW16	0.1	0.312	0.022	0.0029	
240 minute summer	SW16	2.002	SW17	0.1	0.307	0.022	0.0062	
240 minute summer	SW17	2.003	SW19	0.2	0.390	0.010	0.0038	
240 minute summer	SW18	3.000	SW17	0.1	0.352	0.005	0.0004	
240 minute summer	SW19	2.004	SW13	0.4	0.511	0.015	0.0038	
240 minute summer	SW20	4.000	SW19	0.1	0.249	0.021	0.0009	
240 minute summer	SW21	1.011	SW23	0.8	0.413	0.015	0.1018	
240 minute summer	SW22	5.000	SW21	0.1	0.240	0.012	0.0102	
240 minute summer	SW23	6.010	SW40	1.4	0.610	0.024	0.0195	
240 minute summer	SW24	6.000	SW25	3.6	0.800	0.595	0.0822	
240 minute summer	SW25	6.001	SW26	3.6	0.726	0.592	0.1068	

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Results for 100 year +45% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.66%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	SW26	124	12.505	0.065	4.3	0.0000	0.0000	OK
240 minute summer	SW27	124	12.813	0.013	0.7	0.0000	0.0000	OK
240 minute summer	SW28	124	12.445	0.067	6.0	0.0583	0.0000	OK
240 minute summer	SW29	124	12.867	0.037	1.7	0.0000	0.0000	OK
240 minute summer	SW30	124	12.405	0.063	5.9	0.0546	0.0000	OK
240 minute summer	SW31	248	12.324	0.666	5.9	0.0000	0.0000	OK
240 minute summer	SW32	248	12.324	0.670	3.0	0.1897	0.0000	SURCHARGED
240 minute summer	SW33	248	11.582	0.013	0.3	0.0110	0.0000	OK
240 minute summer	SW34	248	13.680	0.330	8.7	31.8462	0.0000	FLOOD RISK
240 minute summer	SW35	248	11.432	0.013	0.3	0.0036	0.0000	OK
240 minute summer	SW36	252	11.359	0.013	0.3	0.0036	0.0000	OK
240 minute summer	SW37	248	11.201	0.017	0.5	0.0147	0.0000	OK
240 minute summer	SW38	244	13.213	0.543	7.0	24.4222	0.0000	FLOOD RISK
240 minute summer	SW39	244	12.787	0.487	5.3	18.9709	0.0000	FLOOD RISK
240 minute summer	SW40	252	10.239	0.001	1.7	0.0007	0.0000	OK
240 minute summer	SW41	244	12.608	0.388	5.3	18.8658	0.0000	FLOOD RISK
240 minute summer	SW42	124	12.851	0.031	1.7	0.0000	0.0000	OK
240 minute summer	SW43	124	12.337	0.037	1.7	0.0106	0.0000	OK
240 minute summer	SW44	124	12.248	0.038	1.7	0.0108	0.0000	OK
240 minute summer	SW45	124	12.207	0.048	2.7	0.0137	0.0000	OK
240 minute summer	SW46	124	12.083	0.045	3.2	0.0127	0.0000	OK
240 minute summer	SW47	128	11.257	0.112	6.3	0.0316	0.0000	SURCHARGED
240 minute summer	SW48	124	11.923	0.023	0.7	0.0000	0.0000	OK
240 minute summer	SW49	124	11.927	0.027	1.0	0.0000	0.0000	OK
240 minute summer	SW50	124	11.836	0.035	1.5	0.0056	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	SW26	6.002	SW28	4.3	0.774	0.706	0.0340	
240 minute summer	SW27	7.000	SW26	0.7	0.257	0.037	0.0116	
240 minute summer	SW28	6.003	SW30	5.9	0.809	0.335	0.0264	
240 minute summer	SW29	8.000	SW28	1.7	0.650	0.281	0.0128	
240 minute summer	SW30	6.004	SW31	5.9	0.875	0.334	0.0260	
240 minute summer	SW31	Flow through Pond	SW32	3.0	0.003	0.000	21.5948	
240 minute summer	SW32	6.005	SW33	0.1	0.312	0.023	0.0016	
240 minute summer	SW33	6.006	SW35	0.3	0.358	0.014	0.0107	
240 minute summer	SW34	9.000	SW33	0.1	0.378	0.014	0.0005	
240 minute summer	SW35	6.007	SW36	0.3	0.359	0.014	0.0052	
240 minute summer	SW36	6.008	SW37	0.3	0.287	0.014	0.0145	
240 minute summer	SW37	6.009	SW23	0.5	0.321	0.027	0.0262	
240 minute summer	SW38	10.000	SW37	0.2	0.449	0.026	0.0007	
240 minute summer	SW39	11.000	SW23	0.1	0.375	0.014	0.0004	
240 minute summer	SW40	Pump		1.7				38.1
240 minute summer	SW41	12.000	SW40	0.1	0.389	0.015	0.0007	
240 minute summer	SW42	13.000	SW43	1.7	0.833	0.198	0.0073	
240 minute summer	SW43	13.001	SW44	1.7	0.628	0.280	0.0243	
240 minute summer	SW44	13.002	SW45	1.7	0.521	0.279	0.0167	
240 minute summer	SW45	13.003	SW46	2.7	0.747	0.443	0.0433	
240 minute summer	SW46	13.004	SW47	3.2	0.943	0.393	0.0470	
240 minute summer	SW47	17.000	SW55	6.2	0.824	1.028	0.1132	
240 minute summer	SW48	14.000	SW47	0.7	0.513	0.116	0.0190	
240 minute summer	SW49	15.000	SW50	1.0	0.474	0.165	0.0209	
240 minute summer	SW50	15.001	SW51	1.5	0.692	0.245	0.0277	

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Results for 100 year +45% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.66%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	SW51	124	11.700	0.028	1.5	0.0045	0.0000	OK
240 minute summer	SW52	128	11.265	0.065	2.7	0.0183	0.0000	OK
240 minute summer	SW53	124	11.931	0.031	1.2	0.0000	0.0000	OK
240 minute summer	SW54	124	11.301	0.030	1.2	0.0085	0.0000	OK
240 minute summer	SW55	124	11.088	0.091	6.2	0.0064	0.0000	OK
240 minute summer	SW56	252	10.967	0.673	6.2	0.0000	0.0000	OK
240 minute summer	SW57	252	10.967	0.683	3.2	0.1934	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	SW51	15.002	SW52	1.5	0.526	0.175	0.0869	
240 minute summer	SW52	15.003	SW47	2.5	0.449	0.416	0.0365	
240 minute summer	SW53	16.000	SW54	1.2	0.587	0.198	0.0069	
240 minute summer	SW54	16.001	SW52	1.2	0.428	0.197	0.0258	
240 minute summer	SW55	17.001	SW56	6.2	0.871	1.028	0.0089	
240 minute summer	SW56	Flow through Pond	SW57	3.2	0.015	0.000	23.2015	
240 minute summer	SW57	17.002	SW40	0.1	0.585	0.023	0.0016	

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Results for 100 year +45% CC 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	SW1	244	13.332	0.442	12.8	71.4115	0.0000	FLOOD RISK
240 minute winter	SW2	244	12.593	0.011	0.2	0.0032	0.0000	OK
240 minute winter	SW3	248	12.455	0.011	0.2	0.0030	0.0000	OK
240 minute winter	SW4	244	12.243	0.014	0.3	0.0000	0.0000	OK
240 minute winter	SW5	120	13.133	0.033	1.4	0.0000	0.0000	OK
240 minute winter	SW6	120	13.066	0.034	1.4	0.0053	0.0000	OK
240 minute winter	SW7	120	12.978	0.035	1.4	0.0025	0.0000	OK
240 minute winter	SW8	244	12.905	0.650	1.4	0.0000	0.0000	OK
240 minute winter	SW9	244	12.905	0.662	1.1	0.1873	0.0000	SURCHARGED
240 minute winter	SW10	124	13.138	0.018	1.0	0.0000	0.0000	OK
240 minute winter	SW11	244	12.905	0.650	1.0	0.0000	0.0000	OK
240 minute winter	SW12	248	11.887	0.014	0.3	0.0041	0.0000	OK
240 minute winter	SW13	244	11.648	0.019	0.7	0.0162	0.0000	OK
240 minute winter	SW14	240	13.533	0.413	2.7	14.4787	0.0000	FLOOD RISK
240 minute winter	SW15	240	12.902	0.010	0.1	0.0029	0.0000	OK
240 minute winter	SW16	240	12.832	0.010	0.1	0.0029	0.0000	OK
240 minute winter	SW17	244	12.688	0.011	0.2	0.0092	0.0000	OK
240 minute winter	SW18	244	13.194	0.324	12.1	68.3173	0.0000	SURCHARGED
240 minute winter	SW19	244	12.566	0.013	0.4	0.0037	0.0000	OK
240 minute winter	SW20	240	12.932	0.362	2.6	13.5243	0.0000	FLOOD RISK
240 minute winter	SW21	244	11.577	0.019	0.8	0.0055	0.0000	OK
240 minute winter	SW22	244	12.308	0.348	3.8	20.8962	0.0000	FLOOD RISK
240 minute winter	SW23	244	11.034	0.025	1.4	0.0070	0.0000	OK
240 minute winter	SW24	124	12.884	0.044	2.4	0.0000	0.0000	OK
240 minute winter	SW25	128	12.701	0.044	2.4	0.0124	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	SW1	1.000	SW2	0.2	0.330	0.011	0.0184	
240 minute winter	SW2	1.001	SW3	0.2	0.344	0.011	0.0079	
240 minute winter	SW3	1.002	SW4	0.2	0.286	0.010	0.0116	
240 minute winter	SW4	1.008	SW12	0.3	0.392	0.019	0.0303	
240 minute winter	SW5	1.003	SW6	1.4	0.611	0.232	0.0156	
240 minute winter	SW6	1.004	SW7	1.4	0.587	0.232	0.0211	
240 minute winter	SW7	1.005	SW8	1.4	0.592	0.232	0.0025	
240 minute winter	SW8	Flow through Pond	SW9	1.1	0.017	0.000	11.2130	
240 minute winter	SW9	1.007	SW4	0.1	0.246	0.023	0.0008	
240 minute winter	SW10	1.006	SW11	1.0	1.034	0.071	0.0032	
240 minute winter	SW11	Flow through Pond	SW9	1.1	0.017	0.000	11.2130	
240 minute winter	SW12	1.009	SW13	0.3	0.320	0.019	0.0257	
240 minute winter	SW13	1.010	SW21	0.7	0.442	0.014	0.0114	
240 minute winter	SW14	2.000	SW15	0.1	0.312	0.022	0.0097	
240 minute winter	SW15	2.001	SW16	0.1	0.312	0.022	0.0030	
240 minute winter	SW16	2.002	SW17	0.1	0.307	0.022	0.0063	
240 minute winter	SW17	2.003	SW19	0.2	0.390	0.010	0.0038	
240 minute winter	SW18	3.000	SW17	0.1	0.352	0.005	0.0004	
240 minute winter	SW19	2.004	SW13	0.4	0.512	0.015	0.0038	
240 minute winter	SW20	4.000	SW19	0.1	0.248	0.021	0.0009	
240 minute winter	SW21	1.011	SW23	0.8	0.413	0.015	0.1020	
240 minute winter	SW22	5.000	SW21	0.1	0.229	0.012	0.0102	
240 minute winter	SW23	6.010	SW40	1.4	0.611	0.024	0.0195	
240 minute winter	SW24	6.000	SW25	2.4	0.724	0.398	0.0607	
240 minute winter	SW25	6.001	SW26	2.4	0.661	0.398	0.0788	

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Results for 100 year +45% CC 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	SW26	128	12.491	0.051	2.9	0.0000	0.0000	OK
240 minute winter	SW27	120	12.811	0.011	0.5	0.0000	0.0000	OK
240 minute winter	SW28	128	12.431	0.053	4.0	0.0463	0.0000	OK
240 minute winter	SW29	120	12.860	0.030	1.1	0.0000	0.0000	OK
240 minute winter	SW30	128	12.393	0.051	4.0	0.0439	0.0000	OK
240 minute winter	SW31	244	12.320	0.662	4.0	0.0000	0.0000	OK
240 minute winter	SW32	244	12.320	0.666	2.1	0.1884	0.0000	SURCHARGED
240 minute winter	SW33	244	11.582	0.013	0.3	0.0110	0.0000	OK
240 minute winter	SW34	244	13.681	0.331	5.8	31.8733	0.0000	FLOOD RISK
240 minute winter	SW35	244	11.432	0.013	0.3	0.0036	0.0000	OK
240 minute winter	SW36	248	11.359	0.013	0.3	0.0036	0.0000	OK
240 minute winter	SW37	244	11.201	0.017	0.5	0.0147	0.0000	OK
240 minute winter	SW38	240	13.216	0.546	4.6	24.5619	0.0000	FLOOD RISK
240 minute winter	SW39	240	12.792	0.492	3.5	19.1610	0.0000	FLOOD RISK
240 minute winter	SW40	244	10.239	0.001	1.7	0.0007	0.0000	OK
240 minute winter	SW41	240	12.612	0.392	3.5	19.0580	0.0000	FLOOD RISK
240 minute winter	SW42	120	12.845	0.025	1.1	0.0000	0.0000	OK
240 minute winter	SW43	120	12.330	0.030	1.1	0.0084	0.0000	OK
240 minute winter	SW44	120	12.240	0.030	1.1	0.0085	0.0000	OK
240 minute winter	SW45	120	12.196	0.037	1.7	0.0106	0.0000	OK
240 minute winter	SW46	124	12.073	0.035	2.0	0.0099	0.0000	OK
240 minute winter	SW47	124	11.209	0.064	4.2	0.0180	0.0000	OK
240 minute winter	SW48	120	11.920	0.020	0.5	0.0000	0.0000	OK
240 minute winter	SW49	116	11.921	0.021	0.6	0.0000	0.0000	OK
240 minute winter	SW50	116	11.828	0.027	0.9	0.0043	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	SW26	6.002	SW28	2.9	0.705	0.480	0.0254	
240 minute winter	SW27	7.000	SW26	0.5	0.248	0.027	0.0086	
240 minute winter	SW28	6.003	SW30	4.0	0.737	0.225	0.0195	
240 minute winter	SW29	8.000	SW28	1.1	0.578	0.182	0.0093	
240 minute winter	SW30	6.004	SW31	4.0	0.789	0.225	0.0194	
240 minute winter	SW31	Flow through Pond	SW32	2.1	0.003	0.000	21.4415	
240 minute winter	SW32	6.005	SW33	0.1	0.311	0.023	0.0016	
240 minute winter	SW33	6.006	SW35	0.3	0.358	0.014	0.0107	
240 minute winter	SW34	9.000	SW33	0.1	0.378	0.014	0.0005	
240 minute winter	SW35	6.007	SW36	0.3	0.359	0.014	0.0052	
240 minute winter	SW36	6.008	SW37	0.3	0.286	0.014	0.0145	
240 minute winter	SW37	6.009	SW23	0.5	0.320	0.027	0.0262	
240 minute winter	SW38	10.000	SW37	0.2	0.449	0.026	0.0007	
240 minute winter	SW39	11.000	SW23	0.1	0.376	0.014	0.0004	
240 minute winter	SW40	Pump		1.7				38.2
240 minute winter	SW41	12.000	SW40	0.1	0.390	0.015	0.0007	
240 minute winter	SW42	13.000	SW43	1.1	0.740	0.128	0.0053	
240 minute winter	SW43	13.001	SW44	1.1	0.564	0.182	0.0176	
240 minute winter	SW44	13.002	SW45	1.1	0.475	0.182	0.0119	
240 minute winter	SW45	13.003	SW46	1.7	0.667	0.282	0.0308	
240 minute winter	SW46	13.004	SW47	2.0	0.837	0.249	0.0336	
240 minute winter	SW47	17.000	SW55	4.2	0.784	0.696	0.0795	
240 minute winter	SW48	14.000	SW47	0.5	0.466	0.083	0.0149	
240 minute winter	SW49	15.000	SW50	0.6	0.411	0.099	0.0145	
240 minute winter	SW50	15.001	SW51	0.9	0.600	0.149	0.0194	

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Results for 100 year +45% CC 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 99.65%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	SW51	116	11.694	0.022	0.9	0.0035	0.0000	OK
240 minute winter	SW52	124	11.236	0.036	1.7	0.0103	0.0000	OK
240 minute winter	SW53	120	11.925	0.025	0.8	0.0000	0.0000	OK
240 minute winter	SW54	120	11.296	0.025	0.8	0.0070	0.0000	OK
240 minute winter	SW55	124	11.063	0.066	4.2	0.0047	0.0000	OK
240 minute winter	SW56	244	10.973	0.679	4.2	0.0000	0.0000	OK
240 minute winter	SW57	244	10.973	0.689	2.2	0.1950	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	SW51	15.002	SW52	0.9	0.483	0.107	0.0475	
240 minute winter	SW52	15.003	SW47	1.7	0.435	0.282	0.0217	
240 minute winter	SW53	16.000	SW54	0.8	0.526	0.133	0.0052	
240 minute winter	SW54	16.001	SW52	0.8	0.397	0.133	0.0145	
240 minute winter	SW55	17.001	SW56	4.2	0.805	0.696	0.0066	
240 minute winter	SW56	Flow through Pond	SW57	2.2	0.020	0.000	23.4027	
240 minute winter	SW57	17.002	SW40	0.1	0.585	0.023	0.0016	

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Results for 100 year +45% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	SW1	368	13.364	0.474	14.3	76.5283	0.0000	FLOOD RISK
360 minute summer	SW2	368	12.594	0.012	0.2	0.0033	0.0000	OK
360 minute summer	SW3	368	12.455	0.011	0.2	0.0030	0.0000	OK
360 minute summer	SW4	368	12.244	0.015	0.3	0.0000	0.0000	OK
360 minute summer	SW5	184	13.136	0.036	1.6	0.0000	0.0000	OK
360 minute summer	SW6	184	13.068	0.036	1.6	0.0057	0.0000	OK
360 minute summer	SW7	184	12.981	0.038	1.6	0.0027	0.0000	OK
360 minute summer	SW8	360	12.913	0.658	1.6	0.0000	0.0000	OK
360 minute summer	SW9	360	12.913	0.670	1.3	0.1895	0.0000	SURCHARGED
360 minute summer	SW10	184	13.139	0.019	1.1	0.0000	0.0000	OK
360 minute summer	SW11	360	12.913	0.658	1.1	0.0000	0.0000	OK
360 minute summer	SW12	368	11.887	0.014	0.3	0.0041	0.0000	OK
360 minute summer	SW13	368	11.648	0.019	0.7	0.0164	0.0000	OK
360 minute summer	SW14	368	13.549	0.429	3.0	15.0278	0.0000	FLOOD RISK
360 minute summer	SW15	368	12.902	0.010	0.1	0.0030	0.0000	OK
360 minute summer	SW16	368	12.832	0.010	0.1	0.0029	0.0000	OK
360 minute summer	SW17	368	12.688	0.011	0.3	0.0093	0.0000	OK
360 minute summer	SW18	368	13.221	0.351	13.6	73.9851	0.0000	FLOOD RISK
360 minute summer	SW19	368	12.566	0.013	0.4	0.0037	0.0000	OK
360 minute summer	SW20	360	12.947	0.377	2.9	14.0838	0.0000	FLOOD RISK
360 minute summer	SW21	368	11.578	0.020	0.9	0.0056	0.0000	OK
360 minute summer	SW22	368	12.328	0.368	4.3	22.1125	0.0000	FLOOD RISK
360 minute summer	SW23	368	11.034	0.025	1.5	0.0071	0.0000	OK
360 minute summer	SW24	184	12.887	0.047	2.7	0.0000	0.0000	OK
360 minute summer	SW25	184	12.704	0.047	2.7	0.0132	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	SW1	1.000	SW2	0.2	0.334	0.012	0.0188	
360 minute summer	SW2	1.001	SW3	0.2	0.348	0.012	0.0081	
360 minute summer	SW3	1.002	SW4	0.2	0.291	0.010	0.0119	
360 minute summer	SW4	1.008	SW12	0.3	0.395	0.019	0.0308	
360 minute summer	SW5	1.003	SW6	1.6	0.632	0.264	0.0171	
360 minute summer	SW6	1.004	SW7	1.6	0.607	0.263	0.0232	
360 minute summer	SW7	1.005	SW8	1.6	0.612	0.262	0.0027	
360 minute summer	SW8	Flow through Pond	SW9	1.3	0.022	0.000	11.3485	
360 minute summer	SW9	1.007	SW4	0.1	0.245	0.023	0.0008	
360 minute summer	SW10	1.006	SW11	1.1	1.064	0.078	0.0034	
360 minute summer	SW11	Flow through Pond	SW9	1.3	0.022	0.000	11.3485	
360 minute summer	SW12	1.009	SW13	0.3	0.322	0.019	0.0261	
360 minute summer	SW13	1.010	SW21	0.7	0.445	0.014	0.0116	
360 minute summer	SW14	2.000	SW15	0.1	0.314	0.022	0.0098	
360 minute summer	SW15	2.001	SW16	0.1	0.314	0.022	0.0030	
360 minute summer	SW16	2.002	SW17	0.1	0.308	0.022	0.0064	
360 minute summer	SW17	2.003	SW19	0.3	0.394	0.010	0.0039	
360 minute summer	SW18	3.000	SW17	0.1	0.356	0.005	0.0004	
360 minute summer	SW19	2.004	SW13	0.4	0.516	0.015	0.0039	
360 minute summer	SW20	4.000	SW19	0.1	0.249	0.021	0.0009	
360 minute summer	SW21	1.011	SW23	0.9	0.416	0.016	0.1039	
360 minute summer	SW22	5.000	SW21	0.1	0.192	0.013	0.0104	
360 minute summer	SW23	6.010	SW40	1.5	0.616	0.025	0.0199	
360 minute summer	SW24	6.000	SW25	2.7	0.746	0.446	0.0660	
360 minute summer	SW25	6.001	SW26	2.7	0.684	0.443	0.0848	

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Results for 100 year +45% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	SW26	184	12.493	0.053	3.2	0.0000	0.0000	OK
360 minute summer	SW27	184	12.811	0.011	0.5	0.0000	0.0000	OK
360 minute summer	SW28	184	12.435	0.057	4.5	0.0491	0.0000	OK
360 minute summer	SW29	184	12.862	0.032	1.3	0.0000	0.0000	OK
360 minute summer	SW30	184	12.396	0.054	4.4	0.0464	0.0000	OK
360 minute summer	SW31	368	12.363	0.705	4.4	0.0000	0.0000	OK
360 minute summer	SW32	368	12.363	0.709	2.3	0.2006	0.0000	SURCHARGED
360 minute summer	SW33	368	11.582	0.013	0.3	0.0112	0.0000	OK
360 minute summer	SW34	368	13.704	0.354	6.5	34.1328	0.0000	FLOOD RISK
360 minute summer	SW35	368	11.432	0.013	0.3	0.0037	0.0000	OK
360 minute summer	SW36	368	11.359	0.013	0.3	0.0036	0.0000	OK
360 minute summer	SW37	368	11.201	0.017	0.5	0.0149	0.0000	OK
360 minute summer	SW38	360	13.241	0.571	5.2	25.6696	0.0000	FLOOD RISK
360 minute summer	SW39	368	12.813	0.513	3.9	19.9975	0.0000	FLOOD RISK
360 minute summer	SW40	368	10.239	0.001	1.7	0.0008	0.0000	OK
360 minute summer	SW41	368	12.627	0.407	3.9	19.8340	0.0000	FLOOD RISK
360 minute summer	SW42	184	12.847	0.027	1.3	0.0000	0.0000	OK
360 minute summer	SW43	184	12.332	0.032	1.3	0.0091	0.0000	OK
360 minute summer	SW44	184	12.243	0.033	1.3	0.0092	0.0000	OK
360 minute summer	SW45	184	12.200	0.041	2.0	0.0115	0.0000	OK
360 minute summer	SW46	184	12.076	0.038	2.4	0.0108	0.0000	OK
360 minute summer	SW47	184	11.215	0.070	4.8	0.0199	0.0000	OK
360 minute summer	SW48	184	11.920	0.020	0.5	0.0000	0.0000	OK
360 minute summer	SW49	184	11.923	0.023	0.7	0.0000	0.0000	OK
360 minute summer	SW50	184	11.831	0.030	1.1	0.0048	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	SW26	6.002	SW28	3.2	0.715	0.523	0.0273	
360 minute summer	SW27	7.000	SW26	0.5	0.250	0.027	0.0091	
360 minute summer	SW28	6.003	SW30	4.4	0.756	0.250	0.0211	
360 minute summer	SW29	8.000	SW28	1.3	0.604	0.214	0.0105	
360 minute summer	SW30	6.004	SW31	4.4	0.810	0.249	0.0209	
360 minute summer	SW31	Flow through Pond	SW32	2.3	0.002	0.000	22.8418	
360 minute summer	SW32	6.005	SW33	0.1	0.314	0.023	0.0016	
360 minute summer	SW33	6.006	SW35	0.3	0.362	0.015	0.0109	
360 minute summer	SW34	9.000	SW33	0.1	0.382	0.014	0.0005	
360 minute summer	SW35	6.007	SW36	0.3	0.363	0.015	0.0053	
360 minute summer	SW36	6.008	SW37	0.3	0.290	0.015	0.0148	
360 minute summer	SW37	6.009	SW23	0.5	0.323	0.028	0.0267	
360 minute summer	SW38	10.000	SW37	0.2	0.452	0.026	0.0007	
360 minute summer	SW39	11.000	SW23	0.1	0.379	0.014	0.0004	
360 minute summer	SW40	Pump		1.7				47.1
360 minute summer	SW41	12.000	SW40	0.1	0.392	0.015	0.0007	
360 minute summer	SW42	13.000	SW43	1.3	0.774	0.151	0.0060	
360 minute summer	SW43	13.001	SW44	1.3	0.587	0.214	0.0198	
360 minute summer	SW44	13.002	SW45	1.3	0.494	0.213	0.0134	
360 minute summer	SW45	13.003	SW46	2.0	0.690	0.327	0.0346	
360 minute summer	SW46	13.004	SW47	2.4	0.875	0.294	0.0379	
360 minute summer	SW47	17.000	SW55	4.8	0.805	0.795	0.0884	
360 minute summer	SW48	14.000	SW47	0.5	0.466	0.083	0.0149	
360 minute summer	SW49	15.000	SW50	0.7	0.421	0.115	0.0165	
360 minute summer	SW50	15.001	SW51	1.1	0.635	0.180	0.0222	

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Results for 100 year +45% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	SW51	184	11.696	0.024	1.1	0.0039	0.0000	OK
360 minute summer	SW52	184	11.239	0.039	2.0	0.0111	0.0000	OK
360 minute summer	SW53	184	11.927	0.027	0.9	0.0000	0.0000	OK
360 minute summer	SW54	184	11.297	0.026	0.9	0.0074	0.0000	OK
360 minute summer	SW55	184	11.069	0.072	4.8	0.0051	0.0000	OK
360 minute summer	SW56	368	11.010	0.717	4.8	0.0000	0.0000	OK
360 minute summer	SW57	368	11.011	0.727	2.5	0.2057	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	SW51	15.002	SW52	1.1	0.506	0.129	0.0532	
360 minute summer	SW52	15.003	SW47	2.0	0.446	0.325	0.0242	
360 minute summer	SW53	16.000	SW54	0.9	0.543	0.149	0.0056	
360 minute summer	SW54	16.001	SW52	0.9	0.403	0.148	0.0159	
360 minute summer	SW55	17.001	SW56	4.8	0.828	0.792	0.0073	
360 minute summer	SW56	Flow through Pond	SW57	2.5	0.003	0.000	24.6893	
360 minute summer	SW57	17.002	SW40	0.1	0.579	0.024	0.0017	

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Results for 100 year +45% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	SW1	360	13.365	0.475	9.3	76.7551	0.0000	FLOOD RISK
360 minute winter	SW2	368	12.594	0.012	0.2	0.0033	0.0000	OK
360 minute winter	SW3	368	12.455	0.011	0.2	0.0030	0.0000	OK
360 minute winter	SW4	360	12.244	0.015	0.3	0.0000	0.0000	OK
360 minute winter	SW5	176	13.128	0.028	1.0	0.0000	0.0000	OK
360 minute winter	SW6	176	13.060	0.028	1.0	0.0044	0.0000	OK
360 minute winter	SW7	176	12.973	0.030	1.0	0.0021	0.0000	OK
360 minute winter	SW8	352	12.922	0.667	1.0	0.0000	0.0000	OK
360 minute winter	SW9	352	12.922	0.679	0.8	0.1923	0.0000	SURCHARGED
360 minute winter	SW10	184	13.135	0.015	0.7	0.0000	0.0000	OK
360 minute winter	SW11	352	12.922	0.667	0.7	0.0000	0.0000	OK
360 minute winter	SW12	360	11.888	0.015	0.3	0.0041	0.0000	OK
360 minute winter	SW13	360	11.648	0.019	0.7	0.0164	0.0000	OK
360 minute winter	SW14	360	13.546	0.426	2.0	14.9290	0.0000	FLOOD RISK
360 minute winter	SW15	360	12.902	0.010	0.1	0.0030	0.0000	OK
360 minute winter	SW16	360	12.832	0.010	0.1	0.0029	0.0000	OK
360 minute winter	SW17	360	12.688	0.011	0.3	0.0093	0.0000	OK
360 minute winter	SW18	368	13.221	0.351	8.9	73.9303	0.0000	FLOOD RISK
360 minute winter	SW19	360	12.566	0.013	0.4	0.0037	0.0000	OK
360 minute winter	SW20	360	12.950	0.380	1.9	14.2144	0.0000	FLOOD RISK
360 minute winter	SW21	360	11.578	0.020	0.9	0.0056	0.0000	OK
360 minute winter	SW22	360	12.330	0.370	2.8	22.2567	0.0000	FLOOD RISK
360 minute winter	SW23	360	11.034	0.025	1.5	0.0071	0.0000	OK
360 minute winter	SW24	184	12.877	0.037	1.7	0.0000	0.0000	OK
360 minute winter	SW25	184	12.693	0.036	1.7	0.0103	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	SW1	1.000	SW2	0.2	0.334	0.012	0.0189	
360 minute winter	SW2	1.001	SW3	0.2	0.348	0.012	0.0081	
360 minute winter	SW3	1.002	SW4	0.2	0.291	0.010	0.0119	
360 minute winter	SW4	1.008	SW12	0.3	0.395	0.019	0.0309	
360 minute winter	SW5	1.003	SW6	1.0	0.559	0.166	0.0122	
360 minute winter	SW6	1.004	SW7	1.0	0.538	0.166	0.0165	
360 minute winter	SW7	1.005	SW8	1.0	0.540	0.166	0.0019	
360 minute winter	SW8	Flow through Pond	SW9	0.8	0.015	0.000	11.5130	
360 minute winter	SW9	1.007	SW4	0.1	0.246	0.023	0.0008	
360 minute winter	SW10	1.006	SW11	0.7	0.932	0.050	0.0025	
360 minute winter	SW11	Flow through Pond	SW9	0.8	0.015	0.000	11.5130	
360 minute winter	SW12	1.009	SW13	0.3	0.322	0.019	0.0262	
360 minute winter	SW13	1.010	SW21	0.7	0.446	0.014	0.0116	
360 minute winter	SW14	2.000	SW15	0.1	0.313	0.022	0.0098	
360 minute winter	SW15	2.001	SW16	0.1	0.314	0.022	0.0030	
360 minute winter	SW16	2.002	SW17	0.1	0.308	0.022	0.0064	
360 minute winter	SW17	2.003	SW19	0.3	0.393	0.010	0.0039	
360 minute winter	SW18	3.000	SW17	0.1	0.356	0.005	0.0004	
360 minute winter	SW19	2.004	SW13	0.4	0.516	0.015	0.0039	
360 minute winter	SW20	4.000	SW19	0.1	0.250	0.021	0.0009	
360 minute winter	SW21	1.011	SW23	0.9	0.416	0.016	0.1040	
360 minute winter	SW22	5.000	SW21	0.1	0.192	0.013	0.0104	
360 minute winter	SW23	6.010	SW40	1.5	0.616	0.025	0.0199	
360 minute winter	SW24	6.000	SW25	1.7	0.660	0.282	0.0471	
360 minute winter	SW25	6.001	SW26	1.7	0.614	0.282	0.0601	

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Results for 100 year +45% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	SW26	184	12.481	0.041	2.0	0.0000	0.0000	OK
360 minute winter	SW27	160	12.809	0.009	0.3	0.0000	0.0000	OK
360 minute winter	SW28	184	12.422	0.044	2.8	0.0379	0.0000	OK
360 minute winter	SW29	184	12.855	0.025	0.8	0.0000	0.0000	OK
360 minute winter	SW30	184	12.384	0.042	2.8	0.0363	0.0000	OK
360 minute winter	SW31	360	12.358	0.700	2.8	0.0000	0.0000	OK
360 minute winter	SW32	360	12.358	0.704	1.5	0.1992	0.0000	SURCHARGED
360 minute winter	SW33	360	11.582	0.013	0.3	0.0111	0.0000	OK
360 minute winter	SW34	360	13.702	0.352	4.2	33.9746	0.0000	FLOOD RISK
360 minute winter	SW35	360	11.432	0.013	0.3	0.0037	0.0000	OK
360 minute winter	SW36	368	11.359	0.013	0.3	0.0036	0.0000	OK
360 minute winter	SW37	360	11.201	0.017	0.5	0.0149	0.0000	OK
360 minute winter	SW38	352	13.246	0.576	3.4	25.9030	0.0000	FLOOD RISK
360 minute winter	SW39	360	12.825	0.525	2.6	20.4841	0.0000	FLOOD RISK
360 minute winter	SW40	360	10.239	0.001	1.7	0.0008	0.0000	OK
360 minute winter	SW41	360	12.637	0.417	2.6	20.3234	0.0000	FLOOD RISK
360 minute winter	SW42	184	12.841	0.021	0.8	0.0000	0.0000	OK
360 minute winter	SW43	184	12.325	0.025	0.8	0.0071	0.0000	OK
360 minute winter	SW44	184	12.235	0.025	0.8	0.0071	0.0000	OK
360 minute winter	SW45	184	12.191	0.032	1.3	0.0092	0.0000	OK
360 minute winter	SW46	184	12.068	0.030	1.5	0.0085	0.0000	OK
360 minute winter	SW47	184	11.197	0.052	3.1	0.0147	0.0000	OK
360 minute winter	SW48	160	11.915	0.015	0.3	0.0000	0.0000	OK
360 minute winter	SW49	184	11.919	0.019	0.5	0.0000	0.0000	OK
360 minute winter	SW50	184	11.825	0.024	0.7	0.0038	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	SW26	6.002	SW28	2.0	0.638	0.331	0.0194	
360 minute winter	SW27	7.000	SW26	0.3	0.230	0.016	0.0064	
360 minute winter	SW28	6.003	SW30	2.8	0.676	0.158	0.0149	
360 minute winter	SW29	8.000	SW28	0.8	0.529	0.133	0.0074	
360 minute winter	SW30	6.004	SW31	2.8	0.716	0.158	0.0150	
360 minute winter	SW31	Flow through Pond	SW32	1.5	0.002	0.000	22.6774	
360 minute winter	SW32	6.005	SW33	0.1	0.314	0.023	0.0016	
360 minute winter	SW33	6.006	SW35	0.3	0.361	0.015	0.0109	
360 minute winter	SW34	9.000	SW33	0.1	0.382	0.014	0.0005	
360 minute winter	SW35	6.007	SW36	0.3	0.362	0.015	0.0053	
360 minute winter	SW36	6.008	SW37	0.3	0.289	0.015	0.0148	
360 minute winter	SW37	6.009	SW23	0.5	0.323	0.028	0.0268	
360 minute winter	SW38	10.000	SW37	0.2	0.453	0.026	0.0007	
360 minute winter	SW39	11.000	SW23	0.1	0.380	0.014	0.0004	
360 minute winter	SW40	Pump		1.7				47.3
360 minute winter	SW41	12.000	SW40	0.1	0.393	0.016	0.0007	
360 minute winter	SW42	13.000	SW43	0.8	0.676	0.093	0.0042	
360 minute winter	SW43	13.001	SW44	0.8	0.522	0.133	0.0138	
360 minute winter	SW44	13.002	SW45	0.8	0.431	0.133	0.0096	
360 minute winter	SW45	13.003	SW46	1.3	0.625	0.215	0.0251	
360 minute winter	SW46	13.004	SW47	1.5	0.774	0.187	0.0273	
360 minute winter	SW47	17.000	SW55	3.1	0.733	0.513	0.0627	
360 minute winter	SW48	14.000	SW47	0.3	0.401	0.050	0.0104	
360 minute winter	SW49	15.000	SW50	0.5	0.401	0.083	0.0124	
360 minute winter	SW50	15.001	SW51	0.7	0.559	0.116	0.0162	

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Results for 100 year +45% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	SW51	184	11.692	0.020	0.7	0.0031	0.0000	OK
360 minute winter	SW52	184	11.232	0.032	1.3	0.0089	0.0000	OK
360 minute winter	SW53	184	11.922	0.022	0.6	0.0000	0.0000	OK
360 minute winter	SW54	184	11.292	0.021	0.6	0.0060	0.0000	OK
360 minute winter	SW55	184	11.051	0.054	3.1	0.0039	0.0000	OK
360 minute winter	SW56	360	11.002	0.708	3.1	0.0000	0.0000	OK
360 minute winter	SW57	360	11.002	0.718	1.6	0.2033	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	SW51	15.002	SW52	0.7	0.444	0.083	0.0394	
360 minute winter	SW52	15.003	SW47	1.3	0.419	0.215	0.0173	
360 minute winter	SW53	16.000	SW54	0.6	0.485	0.099	0.0042	
360 minute winter	SW54	16.001	SW52	0.6	0.364	0.099	0.0119	
360 minute winter	SW55	17.001	SW56	3.1	0.750	0.513	0.0052	
360 minute winter	SW56	Flow through Pond	SW57	1.6	0.003	0.000	24.4036	
360 minute winter	SW57	17.002	SW40	0.1	0.583	0.023	0.0017	

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Results for 100 year +45% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	SW1	488	13.386	0.496	11.1	80.2315	0.0000	FLOOD RISK
480 minute summer	SW2	488	12.594	0.012	0.2	0.0033	0.0000	OK
480 minute summer	SW3	488	12.455	0.011	0.2	0.0031	0.0000	OK
480 minute summer	SW4	488	12.244	0.015	0.3	0.0000	0.0000	OK
480 minute summer	SW5	248	13.131	0.031	1.2	0.0000	0.0000	OK
480 minute summer	SW6	248	13.063	0.031	1.2	0.0049	0.0000	OK
480 minute summer	SW7	248	12.976	0.033	1.2	0.0023	0.0000	OK
480 minute summer	SW8	480	12.925	0.670	1.2	0.0000	0.0000	OK
480 minute summer	SW9	480	12.925	0.682	1.0	0.1929	0.0000	SURCHARGED
480 minute summer	SW10	248	13.136	0.016	0.8	0.0000	0.0000	OK
480 minute summer	SW11	480	12.925	0.670	0.8	0.0000	0.0000	OK
480 minute summer	SW12	488	11.888	0.015	0.3	0.0041	0.0000	OK
480 minute summer	SW13	488	11.648	0.019	0.7	0.0165	0.0000	OK
480 minute summer	SW14	480	13.553	0.433	2.4	15.1950	0.0000	FLOOD RISK
480 minute summer	SW15	480	12.902	0.010	0.1	0.0030	0.0000	OK
480 minute summer	SW16	488	12.832	0.010	0.1	0.0029	0.0000	OK
480 minute summer	SW17	488	12.688	0.011	0.3	0.0093	0.0000	OK
480 minute summer	SW18	488	13.237	0.367	10.5	77.4557	0.0000	FLOOD RISK
480 minute summer	SW19	488	12.566	0.013	0.4	0.0038	0.0000	OK
480 minute summer	SW20	480	12.955	0.385	2.2	14.3772	0.0000	FLOOD RISK
480 minute summer	SW21	488	11.578	0.020	0.9	0.0056	0.0000	OK
480 minute summer	SW22	488	12.341	0.381	3.3	22.9075	0.0000	FLOOD RISK
480 minute summer	SW23	488	11.034	0.025	1.5	0.0072	0.0000	OK
480 minute summer	SW24	248	12.881	0.041	2.1	0.0000	0.0000	OK
480 minute summer	SW25	248	12.698	0.041	2.1	0.0115	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	SW1	1.000	SW2	0.2	0.336	0.012	0.0192	
480 minute summer	SW2	1.001	SW3	0.2	0.351	0.012	0.0082	
480 minute summer	SW3	1.002	SW4	0.2	0.294	0.010	0.0120	
480 minute summer	SW4	1.008	SW12	0.3	0.397	0.020	0.0312	
480 minute summer	SW5	1.003	SW6	1.2	0.587	0.199	0.0139	
480 minute summer	SW6	1.004	SW7	1.2	0.564	0.199	0.0188	
480 minute summer	SW7	1.005	SW8	1.2	0.568	0.199	0.0022	
480 minute summer	SW8	Flow through Pond	SW9	1.0	0.022	0.000	11.5523	
480 minute summer	SW9	1.007	SW4	0.1	0.245	0.023	0.0008	
480 minute summer	SW10	1.006	SW11	0.8	0.969	0.057	0.0027	
480 minute summer	SW11	Flow through Pond	SW9	1.0	0.022	0.000	11.5523	
480 minute summer	SW12	1.009	SW13	0.3	0.324	0.020	0.0264	
480 minute summer	SW13	1.010	SW21	0.7	0.447	0.014	0.0117	
480 minute summer	SW14	2.000	SW15	0.1	0.314	0.022	0.0098	
480 minute summer	SW15	2.001	SW16	0.1	0.314	0.022	0.0030	
480 minute summer	SW16	2.002	SW17	0.1	0.308	0.022	0.0064	
480 minute summer	SW17	2.003	SW19	0.3	0.396	0.010	0.0040	
480 minute summer	SW18	3.000	SW17	0.1	0.358	0.005	0.0004	
480 minute summer	SW19	2.004	SW13	0.4	0.518	0.015	0.0039	
480 minute summer	SW20	4.000	SW19	0.1	0.250	0.021	0.0009	
480 minute summer	SW21	1.011	SW23	0.9	0.418	0.016	0.1050	
480 minute summer	SW22	5.000	SW21	0.1	0.193	0.013	0.0105	
480 minute summer	SW23	6.010	SW40	1.5	0.618	0.025	0.0201	
480 minute summer	SW24	6.000	SW25	2.1	0.699	0.348	0.0550	
480 minute summer	SW25	6.001	SW26	2.1	0.644	0.348	0.0708	

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Results for 100 year +45% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	SW26	248	12.486	0.046	2.5	0.0000	0.0000	OK
480 minute summer	SW27	240	12.810	0.010	0.4	0.0000	0.0000	OK
480 minute summer	SW28	248	12.428	0.050	3.5	0.0429	0.0000	OK
480 minute summer	SW29	248	12.858	0.028	1.0	0.0000	0.0000	OK
480 minute summer	SW30	248	12.389	0.047	3.5	0.0409	0.0000	OK
480 minute summer	SW31	488	12.373	0.715	3.5	0.0000	0.0000	OK
480 minute summer	SW32	488	12.373	0.719	1.8	0.2034	0.0000	SURCHARGED
480 minute summer	SW33	488	11.582	0.013	0.3	0.0112	0.0000	OK
480 minute summer	SW34	488	13.716	0.366	5.0	35.3301	0.0000	FLOOD RISK
480 minute summer	SW35	488	11.432	0.013	0.3	0.0037	0.0000	OK
480 minute summer	SW36	488	11.359	0.013	0.3	0.0037	0.0000	OK
480 minute summer	SW37	488	11.201	0.017	0.5	0.0149	0.0000	OK
480 minute summer	SW38	480	13.253	0.583	4.0	26.2457	0.0000	FLOOD RISK
480 minute summer	SW39	488	12.833	0.533	3.0	20.7837	0.0000	FLOOD RISK
480 minute summer	SW40	488	10.239	0.001	1.8	0.0008	0.0000	OK
480 minute summer	SW41	488	12.642	0.422	3.0	20.5628	0.0000	FLOOD RISK
480 minute summer	SW42	248	12.844	0.024	1.0	0.0000	0.0000	OK
480 minute summer	SW43	248	12.328	0.028	1.0	0.0080	0.0000	OK
480 minute summer	SW44	248	12.238	0.028	1.0	0.0080	0.0000	OK
480 minute summer	SW45	248	12.195	0.036	1.6	0.0102	0.0000	OK
480 minute summer	SW46	248	12.072	0.034	1.9	0.0096	0.0000	OK
480 minute summer	SW47	248	11.205	0.060	3.9	0.0171	0.0000	OK
480 minute summer	SW48	240	11.918	0.018	0.4	0.0000	0.0000	OK
480 minute summer	SW49	248	11.921	0.021	0.6	0.0000	0.0000	OK
480 minute summer	SW50	248	11.828	0.027	0.9	0.0043	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	SW26	6.002	SW28	2.5	0.675	0.414	0.0229	
480 minute summer	SW27	7.000	SW26	0.4	0.241	0.021	0.0076	
480 minute summer	SW28	6.003	SW30	3.5	0.714	0.197	0.0176	
480 minute summer	SW29	8.000	SW28	1.0	0.563	0.166	0.0087	
480 minute summer	SW30	6.004	SW31	3.5	0.761	0.197	0.0205	
480 minute summer	SW31	Flow through Pond	SW32	1.8	0.002	0.000	23.1555	
480 minute summer	SW32	6.005	SW33	0.1	0.315	0.024	0.0016	
480 minute summer	SW33	6.006	SW35	0.3	0.363	0.015	0.0110	
480 minute summer	SW34	9.000	SW33	0.1	0.384	0.015	0.0005	
480 minute summer	SW35	6.007	SW36	0.3	0.364	0.015	0.0054	
480 minute summer	SW36	6.008	SW37	0.3	0.291	0.015	0.0150	
480 minute summer	SW37	6.009	SW23	0.5	0.324	0.028	0.0270	
480 minute summer	SW38	10.000	SW37	0.2	0.454	0.026	0.0007	
480 minute summer	SW39	11.000	SW23	0.1	0.381	0.014	0.0005	
480 minute summer	SW40	Pump		1.8				56.0
480 minute summer	SW41	12.000	SW40	0.1	0.394	0.016	0.0007	
480 minute summer	SW42	13.000	SW43	1.0	0.720	0.117	0.0050	
480 minute summer	SW43	13.001	SW44	1.0	0.552	0.166	0.0163	
480 minute summer	SW44	13.002	SW45	1.0	0.459	0.166	0.0112	
480 minute summer	SW45	13.003	SW46	1.6	0.655	0.265	0.0295	
480 minute summer	SW46	13.004	SW47	1.9	0.826	0.237	0.0324	
480 minute summer	SW47	17.000	SW55	3.9	0.771	0.646	0.0750	
480 minute summer	SW48	14.000	SW47	0.4	0.436	0.066	0.0128	
480 minute summer	SW49	15.000	SW50	0.6	0.411	0.099	0.0145	
480 minute summer	SW50	15.001	SW51	0.9	0.600	0.149	0.0194	

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Results for 100 year +45% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	SW51	248	11.694	0.022	0.9	0.0035	0.0000	OK
480 minute summer	SW52	248	11.235	0.035	1.6	0.0100	0.0000	OK
480 minute summer	SW53	248	11.924	0.024	0.7	0.0000	0.0000	OK
480 minute summer	SW54	248	11.294	0.023	0.7	0.0065	0.0000	OK
480 minute summer	SW55	248	11.060	0.063	3.9	0.0044	0.0000	OK
480 minute summer	SW56	488	11.041	0.748	3.9	0.0000	0.0000	OK
480 minute summer	SW57	488	11.042	0.758	2.0	0.2145	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	SW51	15.002	SW52	0.9	0.486	0.107	0.0462	
480 minute summer	SW52	15.003	SW47	1.6	0.433	0.265	0.0205	
480 minute summer	SW53	16.000	SW54	0.7	0.506	0.116	0.0047	
480 minute summer	SW54	16.001	SW52	0.7	0.372	0.116	0.0136	
480 minute summer	SW55	17.001	SW56	3.9	0.792	0.646	0.0062	
480 minute summer	SW56	Flow through Pond	SW57	2.0	0.007	0.000	25.6789	
480 minute summer	SW57	17.002	SW40	0.1	0.587	0.024	0.0017	

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Results for 100 year +45% CC 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	SW1	480	13.390	0.500	7.4	80.8099	0.0000	FLOOD RISK
480 minute winter	SW2	480	12.594	0.012	0.2	0.0033	0.0000	OK
480 minute winter	SW3	480	12.455	0.011	0.2	0.0031	0.0000	OK
480 minute winter	SW4	480	12.244	0.015	0.3	0.0000	0.0000	OK
480 minute winter	SW5	232	13.125	0.025	0.8	0.0000	0.0000	OK
480 minute winter	SW6	232	13.057	0.025	0.8	0.0040	0.0000	OK
480 minute winter	SW7	232	12.969	0.026	0.8	0.0019	0.0000	OK
480 minute winter	SW8	472	12.918	0.663	0.8	0.0000	0.0000	OK
480 minute winter	SW9	472	12.918	0.675	0.7	0.1911	0.0000	SURCHARGED
480 minute winter	SW10	248	13.134	0.014	0.6	0.0000	0.0000	OK
480 minute winter	SW11	472	12.918	0.663	0.6	0.0000	0.0000	OK
480 minute winter	SW12	480	11.888	0.015	0.3	0.0041	0.0000	OK
480 minute winter	SW13	480	11.648	0.019	0.7	0.0165	0.0000	OK
480 minute winter	SW14	472	13.567	0.447	1.6	15.6717	0.0000	FLOOD RISK
480 minute winter	SW15	472	12.903	0.011	0.1	0.0030	0.0000	OK
480 minute winter	SW16	472	12.832	0.010	0.1	0.0030	0.0000	OK
480 minute winter	SW17	480	12.688	0.011	0.3	0.0094	0.0000	OK
480 minute winter	SW18	480	13.238	0.368	7.0	77.7197	0.0000	FLOOD RISK
480 minute winter	SW19	472	12.566	0.013	0.4	0.0038	0.0000	OK
480 minute winter	SW20	472	12.960	0.390	1.5	14.5847	0.0000	FLOOD RISK
480 minute winter	SW21	480	11.578	0.020	0.9	0.0056	0.0000	OK
480 minute winter	SW22	480	12.345	0.385	2.2	23.1603	0.0000	FLOOD RISK
480 minute winter	SW23	480	11.034	0.025	1.5	0.0072	0.0000	OK
480 minute winter	SW24	248	12.873	0.033	1.4	0.0000	0.0000	OK
480 minute winter	SW25	248	12.690	0.033	1.4	0.0093	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	SW1	1.000	SW2	0.2	0.336	0.012	0.0192	
480 minute winter	SW2	1.001	SW3	0.2	0.351	0.012	0.0082	
480 minute winter	SW3	1.002	SW4	0.2	0.295	0.010	0.0120	
480 minute winter	SW4	1.008	SW12	0.3	0.397	0.020	0.0312	
480 minute winter	SW5	1.003	SW6	0.8	0.526	0.133	0.0103	
480 minute winter	SW6	1.004	SW7	0.8	0.507	0.133	0.0140	
480 minute winter	SW7	1.005	SW8	0.8	0.508	0.133	0.0016	
480 minute winter	SW8	Flow through Pond	SW9	0.7	0.021	0.000	11.4412	
480 minute winter	SW9	1.007	SW4	0.1	0.244	0.023	0.0008	
480 minute winter	SW10	1.006	SW11	0.6	0.890	0.043	0.0022	
480 minute winter	SW11	Flow through Pond	SW9	0.7	0.021	0.000	11.4412	
480 minute winter	SW12	1.009	SW13	0.3	0.323	0.020	0.0265	
480 minute winter	SW13	1.010	SW21	0.7	0.448	0.014	0.0117	
480 minute winter	SW14	2.000	SW15	0.1	0.316	0.023	0.0100	
480 minute winter	SW15	2.001	SW16	0.1	0.316	0.023	0.0030	
480 minute winter	SW16	2.002	SW17	0.1	0.310	0.023	0.0065	
480 minute winter	SW17	2.003	SW19	0.3	0.397	0.010	0.0040	
480 minute winter	SW18	3.000	SW17	0.1	0.358	0.005	0.0004	
480 minute winter	SW19	2.004	SW13	0.4	0.519	0.016	0.0039	
480 minute winter	SW20	4.000	SW19	0.1	0.250	0.021	0.0009	
480 minute winter	SW21	1.011	SW23	0.9	0.419	0.016	0.1053	
480 minute winter	SW22	5.000	SW21	0.1	0.212	0.013	0.0105	
480 minute winter	SW23	6.010	SW40	1.5	0.619	0.026	0.0201	
480 minute winter	SW24	6.000	SW25	1.4	0.626	0.232	0.0410	
480 minute winter	SW25	6.001	SW26	1.4	0.576	0.232	0.0528	

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Results for 100 year +45% CC 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	SW26	248	12.477	0.037	1.7	0.0000	0.0000	OK
480 minute winter	SW27	232	12.809	0.009	0.3	0.0000	0.0000	OK
480 minute winter	SW28	248	12.417	0.039	2.3	0.0340	0.0000	OK
480 minute winter	SW29	224	12.852	0.022	0.6	0.0000	0.0000	OK
480 minute winter	SW30	248	12.380	0.038	2.3	0.0328	0.0000	OK
480 minute winter	SW31	480	12.372	0.713	2.3	0.0000	0.0000	OK
480 minute winter	SW32	480	12.371	0.717	1.2	0.2030	0.0000	SURCHARGED
480 minute winter	SW33	480	11.582	0.013	0.3	0.0112	0.0000	OK
480 minute winter	SW34	480	13.721	0.371	3.3	35.7980	0.0000	FLOOD RISK
480 minute winter	SW35	480	11.432	0.013	0.3	0.0037	0.0000	OK
480 minute winter	SW36	480	11.359	0.013	0.3	0.0037	0.0000	OK
480 minute winter	SW37	480	11.201	0.017	0.5	0.0150	0.0000	OK
480 minute winter	SW38	472	13.256	0.586	2.7	26.3645	0.0000	FLOOD RISK
480 minute winter	SW39	480	12.842	0.542	2.0	21.1295	0.0000	FLOOD RISK
480 minute winter	SW40	480	10.239	0.001	1.8	0.0008	0.0000	OK
480 minute winter	SW41	480	12.649	0.429	2.0	20.9119	0.0000	FLOOD RISK
480 minute winter	SW42	224	12.838	0.018	0.6	0.0000	0.0000	OK
480 minute winter	SW43	240	12.322	0.022	0.6	0.0061	0.0000	OK
480 minute winter	SW44	224	12.232	0.022	0.6	0.0061	0.0000	OK
480 minute winter	SW45	240	12.187	0.028	1.0	0.0080	0.0000	OK
480 minute winter	SW46	240	12.065	0.027	1.2	0.0075	0.0000	OK
480 minute winter	SW47	248	11.192	0.047	2.6	0.0133	0.0000	OK
480 minute winter	SW48	232	11.915	0.015	0.3	0.0000	0.0000	OK
480 minute winter	SW49	240	11.917	0.017	0.4	0.0000	0.0000	OK
480 minute winter	SW50	240	11.823	0.022	0.6	0.0035	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	SW26	6.002	SW28	1.7	0.619	0.282	0.0170	
480 minute winter	SW27	7.000	SW26	0.3	0.230	0.016	0.0057	
480 minute winter	SW28	6.003	SW30	2.3	0.643	0.130	0.0129	
480 minute winter	SW29	8.000	SW28	0.6	0.487	0.099	0.0060	
480 minute winter	SW30	6.004	SW31	2.3	0.678	0.130	0.0196	
480 minute winter	SW31	Flow through Pond	SW32	1.2	0.001	0.000	23.1154	
480 minute winter	SW32	6.005	SW33	0.1	0.315	0.024	0.0016	
480 minute winter	SW33	6.006	SW35	0.3	0.363	0.015	0.0110	
480 minute winter	SW34	9.000	SW33	0.1	0.385	0.015	0.0005	
480 minute winter	SW35	6.007	SW36	0.3	0.364	0.015	0.0054	
480 minute winter	SW36	6.008	SW37	0.3	0.291	0.015	0.0150	
480 minute winter	SW37	6.009	SW23	0.5	0.324	0.028	0.0270	
480 minute winter	SW38	10.000	SW37	0.2	0.454	0.027	0.0007	
480 minute winter	SW39	11.000	SW23	0.1	0.382	0.014	0.0005	
480 minute winter	SW40	Pump		1.8				56.3
480 minute winter	SW41	12.000	SW40	0.1	0.395	0.016	0.0007	
480 minute winter	SW42	13.000	SW43	0.6	0.623	0.070	0.0034	
480 minute winter	SW43	13.001	SW44	0.6	0.486	0.099	0.0112	
480 minute winter	SW44	13.002	SW45	0.6	0.412	0.100	0.0078	
480 minute winter	SW45	13.003	SW46	1.0	0.575	0.166	0.0210	
480 minute winter	SW46	13.004	SW47	1.2	0.727	0.150	0.0232	
480 minute winter	SW47	17.000	SW55	2.6	0.703	0.431	0.0548	
480 minute winter	SW48	14.000	SW47	0.3	0.401	0.050	0.0104	
480 minute winter	SW49	15.000	SW50	0.4	0.365	0.066	0.0109	
480 minute winter	SW50	15.001	SW51	0.6	0.534	0.099	0.0145	

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Results for 100 year +45% CC 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	SW51	240	11.690	0.018	0.6	0.0029	0.0000	OK
480 minute winter	SW52	248	11.229	0.029	1.1	0.0082	0.0000	OK
480 minute winter	SW53	248	11.920	0.020	0.5	0.0000	0.0000	OK
480 minute winter	SW54	248	11.290	0.019	0.5	0.0055	0.0000	OK
480 minute winter	SW55	248	11.046	0.049	2.6	0.0035	0.0000	OK
480 minute winter	SW56	472	11.037	0.743	2.6	0.0000	0.0000	OK
480 minute winter	SW57	472	11.037	0.753	1.4	0.2131	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	SW51	15.002	SW52	0.6	0.443	0.072	0.0351	
480 minute winter	SW52	15.003	SW47	1.1	0.405	0.182	0.0152	
480 minute winter	SW53	16.000	SW54	0.5	0.460	0.083	0.0037	
480 minute winter	SW54	16.001	SW52	0.5	0.343	0.083	0.0105	
480 minute winter	SW55	17.001	SW56	2.6	0.717	0.431	0.0046	
480 minute winter	SW56	Flow through Pond	SW57	1.4	0.012	0.000	25.5360	
480 minute winter	SW57	17.002	SW40	0.1	0.582	0.024	0.0017	

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Results for 100 year +45% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	SW1	615	13.401	0.511	8.9	82.5766	0.0000	FLOOD RISK
600 minute summer	SW2	615	12.594	0.012	0.2	0.0033	0.0000	OK
600 minute summer	SW3	615	12.455	0.011	0.2	0.0031	0.0000	OK
600 minute summer	SW4	615	12.244	0.015	0.4	0.0000	0.0000	OK
600 minute summer	SW5	315	13.128	0.028	1.0	0.0000	0.0000	OK
600 minute summer	SW6	315	13.060	0.028	1.0	0.0044	0.0000	OK
600 minute summer	SW7	315	12.973	0.030	1.0	0.0021	0.0000	OK
600 minute summer	SW8	600	12.937	0.682	1.0	0.0000	0.0000	OK
600 minute summer	SW9	600	12.937	0.694	0.8	0.1964	0.0000	SURCHARGED
600 minute summer	SW10	315	13.135	0.015	0.7	0.0000	0.0000	OK
600 minute summer	SW11	600	12.937	0.682	0.7	0.0000	0.0000	OK
600 minute summer	SW12	615	11.888	0.015	0.4	0.0042	0.0000	OK
600 minute summer	SW13	615	11.648	0.019	0.7	0.0166	0.0000	OK
600 minute summer	SW14	600	13.560	0.440	1.9	15.4276	0.0000	FLOOD RISK
600 minute summer	SW15	600	12.903	0.011	0.1	0.0030	0.0000	OK
600 minute summer	SW16	600	12.832	0.010	0.1	0.0030	0.0000	OK
600 minute summer	SW17	615	12.688	0.011	0.3	0.0094	0.0000	OK
600 minute summer	SW18	615	13.250	0.380	8.5	80.2215	0.0000	FLOOD RISK
600 minute summer	SW19	615	12.566	0.013	0.4	0.0038	0.0000	OK
600 minute summer	SW20	600	12.954	0.384	1.8	14.3681	0.0000	FLOOD RISK
600 minute summer	SW21	615	11.578	0.020	0.9	0.0056	0.0000	OK
600 minute summer	SW22	600	12.348	0.388	2.7	23.3850	0.0000	FLOOD RISK
600 minute summer	SW23	615	11.034	0.025	1.5	0.0072	0.0000	OK
600 minute summer	SW24	315	12.877	0.037	1.7	0.0000	0.0000	OK
600 minute summer	SW25	315	12.693	0.036	1.7	0.0103	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	SW1	1.000	SW2	0.2	0.338	0.012	0.0194	
600 minute summer	SW2	1.001	SW3	0.2	0.352	0.012	0.0083	
600 minute summer	SW3	1.002	SW4	0.2	0.296	0.011	0.0121	
600 minute summer	SW4	1.008	SW12	0.4	0.398	0.020	0.0315	
600 minute summer	SW5	1.003	SW6	1.0	0.559	0.166	0.0122	
600 minute summer	SW6	1.004	SW7	1.0	0.538	0.166	0.0165	
600 minute summer	SW7	1.005	SW8	1.0	0.540	0.166	0.0019	
600 minute summer	SW8	Flow through Pond	SW9	0.8	0.007	0.000	11.7618	
600 minute summer	SW9	1.007	SW4	0.1	0.245	0.023	0.0008	
600 minute summer	SW10	1.006	SW11	0.7	0.932	0.050	0.0025	
600 minute summer	SW11	Flow through Pond	SW9	0.8	0.007	0.000	11.7618	
600 minute summer	SW12	1.009	SW13	0.4	0.325	0.020	0.0266	
600 minute summer	SW13	1.010	SW21	0.7	0.449	0.014	0.0118	
600 minute summer	SW14	2.000	SW15	0.1	0.315	0.023	0.0099	
600 minute summer	SW15	2.001	SW16	0.1	0.315	0.023	0.0030	
600 minute summer	SW16	2.002	SW17	0.1	0.308	0.023	0.0064	
600 minute summer	SW17	2.003	SW19	0.3	0.398	0.010	0.0040	
600 minute summer	SW18	3.000	SW17	0.1	0.360	0.005	0.0004	
600 minute summer	SW19	2.004	SW13	0.4	0.519	0.016	0.0039	
600 minute summer	SW20	4.000	SW19	0.1	0.249	0.021	0.0009	
600 minute summer	SW21	1.011	SW23	0.9	0.420	0.016	0.1057	
600 minute summer	SW22	5.000	SW21	0.1	0.194	0.013	0.0106	
600 minute summer	SW23	6.010	SW40	1.5	0.619	0.026	0.0202	
600 minute summer	SW24	6.000	SW25	1.7	0.660	0.282	0.0471	
600 minute summer	SW25	6.001	SW26	1.7	0.614	0.282	0.0601	

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Results for 100 year +45% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	SW26	315	12.481	0.041	2.0	0.0000	0.0000	OK
600 minute summer	SW27	300	12.809	0.009	0.3	0.0000	0.0000	OK
600 minute summer	SW28	315	12.422	0.044	2.8	0.0379	0.0000	OK
600 minute summer	SW29	315	12.855	0.025	0.8	0.0000	0.0000	OK
600 minute summer	SW30	600	12.394	0.052	2.8	0.0452	0.0000	OK
600 minute summer	SW31	600	12.393	0.735	2.8	0.0000	0.0000	OK
600 minute summer	SW32	600	12.393	0.739	1.5	0.2090	0.0000	SURCHARGED
600 minute summer	SW33	615	11.582	0.013	0.3	0.0113	0.0000	OK
600 minute summer	SW34	615	13.728	0.378	4.0	36.4718	0.0000	FLOOD RISK
600 minute summer	SW35	615	11.432	0.013	0.3	0.0037	0.0000	OK
600 minute summer	SW36	615	11.359	0.013	0.3	0.0037	0.0000	OK
600 minute summer	SW37	615	11.201	0.017	0.5	0.0150	0.0000	OK
600 minute summer	SW38	600	13.254	0.584	3.2	26.2607	0.0000	FLOOD RISK
600 minute summer	SW39	600	12.842	0.542	2.5	21.1604	0.0000	FLOOD RISK
600 minute summer	SW40	615	10.239	0.001	1.8	0.0008	0.0000	OK
600 minute summer	SW41	600	12.649	0.429	2.5	20.8934	0.0000	FLOOD RISK
600 minute summer	SW42	315	12.841	0.021	0.8	0.0000	0.0000	OK
600 minute summer	SW43	315	12.325	0.025	0.8	0.0071	0.0000	OK
600 minute summer	SW44	315	12.235	0.025	0.8	0.0072	0.0000	OK
600 minute summer	SW45	315	12.190	0.031	1.2	0.0088	0.0000	OK
600 minute summer	SW46	315	12.067	0.029	1.4	0.0082	0.0000	OK
600 minute summer	SW47	315	11.195	0.050	2.9	0.0142	0.0000	OK
600 minute summer	SW48	300	11.915	0.015	0.3	0.0000	0.0000	OK
600 minute summer	SW49	300	11.917	0.017	0.4	0.0000	0.0000	OK
600 minute summer	SW50	300	11.823	0.022	0.6	0.0035	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	SW26	6.002	SW28	2.0	0.638	0.331	0.0194	
600 minute summer	SW27	7.000	SW26	0.3	0.222	0.016	0.0064	
600 minute summer	SW28	6.003	SW30	2.8	0.676	0.158	0.0149	
600 minute summer	SW29	8.000	SW28	0.8	0.529	0.133	0.0074	
600 minute summer	SW30	6.004	SW31	2.8	0.716	0.158	0.0312	
600 minute summer	SW31	Flow through Pond	SW32	1.5	0.002	0.000	23.8015	
600 minute summer	SW32	6.005	SW33	0.1	0.316	0.024	0.0016	
600 minute summer	SW33	6.006	SW35	0.3	0.365	0.015	0.0111	
600 minute summer	SW34	9.000	SW33	0.1	0.386	0.015	0.0005	
600 minute summer	SW35	6.007	SW36	0.3	0.366	0.015	0.0054	
600 minute summer	SW36	6.008	SW37	0.3	0.293	0.015	0.0151	
600 minute summer	SW37	6.009	SW23	0.5	0.325	0.028	0.0271	
600 minute summer	SW38	10.000	SW37	0.2	0.454	0.027	0.0007	
600 minute summer	SW39	11.000	SW23	0.1	0.382	0.014	0.0005	
600 minute summer	SW40	Pump		1.8				64.4
600 minute summer	SW41	12.000	SW40	0.1	0.395	0.016	0.0007	
600 minute summer	SW42	13.000	SW43	0.8	0.676	0.093	0.0042	
600 minute summer	SW43	13.001	SW44	0.8	0.519	0.133	0.0139	
600 minute summer	SW44	13.002	SW45	0.8	0.443	0.133	0.0093	
600 minute summer	SW45	13.003	SW46	1.2	0.610	0.199	0.0238	
600 minute summer	SW46	13.004	SW47	1.4	0.760	0.175	0.0259	
600 minute summer	SW47	17.000	SW55	2.9	0.722	0.480	0.0596	
600 minute summer	SW48	14.000	SW47	0.3	0.401	0.050	0.0104	
600 minute summer	SW49	15.000	SW50	0.4	0.365	0.066	0.0109	
600 minute summer	SW50	15.001	SW51	0.6	0.534	0.099	0.0145	

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Results for 100 year +45% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	SW51	300	11.690	0.018	0.6	0.0029	0.0000	OK
600 minute summer	SW52	315	11.230	0.030	1.2	0.0086	0.0000	OK
600 minute summer	SW53	315	11.922	0.022	0.6	0.0000	0.0000	OK
600 minute summer	SW54	315	11.292	0.021	0.6	0.0060	0.0000	OK
600 minute summer	SW55	315	11.049	0.052	2.9	0.0037	0.0000	OK
600 minute summer	SW56	600	11.031	0.738	2.9	0.0000	0.0000	OK
600 minute summer	SW57	600	11.032	0.748	1.5	0.2116	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	SW51	15.002	SW52	0.6	0.426	0.072	0.0366	
600 minute summer	SW52	15.003	SW47	1.2	0.409	0.199	0.0164	
600 minute summer	SW53	16.000	SW54	0.6	0.485	0.099	0.0042	
600 minute summer	SW54	16.001	SW52	0.6	0.376	0.099	0.0115	
600 minute summer	SW55	17.001	SW56	2.9	0.737	0.480	0.0049	
600 minute summer	SW56	Flow through Pond	SW57	1.5	0.003	0.000	25.3802	
600 minute summer	SW57	17.002	SW40	0.1	0.579	0.024	0.0017	

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Results for 100 year +45% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	SW1	600	13.404	0.514	6.1	83.1797	0.0000	FLOOD RISK
600 minute winter	SW2	600	12.594	0.012	0.2	0.0033	0.0000	OK
600 minute winter	SW3	600	12.455	0.011	0.2	0.0031	0.0000	OK
600 minute winter	SW4	600	12.244	0.015	0.4	0.0000	0.0000	OK
600 minute winter	SW5	300	13.123	0.023	0.7	0.0000	0.0000	OK
600 minute winter	SW6	300	13.055	0.023	0.7	0.0037	0.0000	OK
600 minute winter	SW7	300	12.967	0.024	0.7	0.0017	0.0000	OK
600 minute winter	SW8	585	12.947	0.692	0.7	0.0000	0.0000	OK
600 minute winter	SW9	585	12.947	0.704	0.6	0.1993	0.0000	SURCHARGED
600 minute winter	SW10	315	13.133	0.013	0.5	0.0000	0.0000	OK
600 minute winter	SW11	585	12.947	0.692	0.5	0.0000	0.0000	OK
600 minute winter	SW12	600	11.888	0.015	0.4	0.0042	0.0000	OK
600 minute winter	SW13	600	11.648	0.019	0.7	0.0166	0.0000	OK
600 minute winter	SW14	585	13.554	0.434	1.3	15.2159	0.0000	FLOOD RISK
600 minute winter	SW15	585	12.903	0.010	0.1	0.0030	0.0000	OK
600 minute winter	SW16	585	12.832	0.010	0.1	0.0029	0.0000	OK
600 minute winter	SW17	600	12.688	0.011	0.3	0.0094	0.0000	OK
600 minute winter	SW18	600	13.249	0.379	5.8	79.9702	0.0000	FLOOD RISK
600 minute winter	SW19	585	12.566	0.013	0.4	0.0038	0.0000	OK
600 minute winter	SW20	585	12.957	0.387	1.2	14.4817	0.0000	FLOOD RISK
600 minute winter	SW21	600	11.578	0.020	0.9	0.0056	0.0000	OK
600 minute winter	SW22	600	12.341	0.381	1.8	22.9504	0.0000	FLOOD RISK
600 minute winter	SW23	600	11.034	0.025	1.5	0.0072	0.0000	OK
600 minute winter	SW24	300	12.869	0.029	1.1	0.0000	0.0000	OK
600 minute winter	SW25	300	12.686	0.029	1.1	0.0082	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	SW1	1.000	SW2	0.2	0.338	0.012	0.0194	
600 minute winter	SW2	1.001	SW3	0.2	0.353	0.012	0.0083	
600 minute winter	SW3	1.002	SW4	0.2	0.296	0.011	0.0122	
600 minute winter	SW4	1.008	SW12	0.4	0.399	0.020	0.0316	
600 minute winter	SW5	1.003	SW6	0.7	0.507	0.116	0.0094	
600 minute winter	SW6	1.004	SW7	0.7	0.489	0.116	0.0127	
600 minute winter	SW7	1.005	SW8	0.7	0.490	0.116	0.0015	
600 minute winter	SW8	Flow through Pond	SW9	0.6	0.003	0.000	11.9403	
600 minute winter	SW9	1.007	SW4	0.1	0.246	0.023	0.0008	
600 minute winter	SW10	1.006	SW11	0.5	0.842	0.036	0.0020	
600 minute winter	SW11	Flow through Pond	SW9	0.6	0.003	0.000	11.9403	
600 minute winter	SW12	1.009	SW13	0.4	0.326	0.020	0.0267	
600 minute winter	SW13	1.010	SW21	0.7	0.449	0.014	0.0118	
600 minute winter	SW14	2.000	SW15	0.1	0.314	0.023	0.0099	
600 minute winter	SW15	2.001	SW16	0.1	0.314	0.023	0.0030	
600 minute winter	SW16	2.002	SW17	0.1	0.308	0.023	0.0064	
600 minute winter	SW17	2.003	SW19	0.3	0.397	0.010	0.0040	
600 minute winter	SW18	3.000	SW17	0.1	0.359	0.005	0.0004	
600 minute winter	SW19	2.004	SW13	0.4	0.519	0.016	0.0039	
600 minute winter	SW20	4.000	SW19	0.1	0.250	0.021	0.0009	
600 minute winter	SW21	1.011	SW23	0.9	0.420	0.016	0.1057	
600 minute winter	SW22	5.000	SW21	0.1	0.193	0.013	0.0106	
600 minute winter	SW23	6.010	SW40	1.5	0.620	0.026	0.0202	
600 minute winter	SW24	6.000	SW25	1.1	0.585	0.182	0.0344	
600 minute winter	SW25	6.001	SW26	1.1	0.547	0.182	0.0437	

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Results for 100 year +45% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	SW26	300	12.472	0.032	1.3	0.0000	0.0000	OK
600 minute winter	SW27	255	12.807	0.007	0.2	0.0000	0.0000	OK
600 minute winter	SW28	300	12.412	0.034	1.8	0.0299	0.0000	OK
600 minute winter	SW29	285	12.850	0.020	0.5	0.0000	0.0000	OK
600 minute winter	SW30	600	12.389	0.047	1.8	0.0403	0.0000	OK
600 minute winter	SW31	585	12.389	0.731	1.8	0.0000	0.0000	OK
600 minute winter	SW32	585	12.389	0.735	1.3	0.2081	0.0000	SURCHARGED
600 minute winter	SW33	600	11.582	0.013	0.3	0.0113	0.0000	OK
600 minute winter	SW34	600	13.728	0.378	2.7	36.4871	0.0000	FLOOD RISK
600 minute winter	SW35	600	11.432	0.013	0.3	0.0037	0.0000	OK
600 minute winter	SW36	600	11.359	0.013	0.3	0.0037	0.0000	OK
600 minute winter	SW37	585	11.201	0.017	0.5	0.0150	0.0000	OK
600 minute winter	SW38	585	13.255	0.585	2.2	26.3165	0.0000	FLOOD RISK
600 minute winter	SW39	600	12.853	0.553	1.7	21.5647	0.0000	FLOOD RISK
600 minute winter	SW40	600	10.239	0.001	1.8	0.0008	0.0000	OK
600 minute winter	SW41	600	12.657	0.437	1.7	21.2930	0.0000	FLOOD RISK
600 minute winter	SW42	285	12.837	0.017	0.5	0.0000	0.0000	OK
600 minute winter	SW43	285	12.320	0.020	0.5	0.0056	0.0000	OK
600 minute winter	SW44	315	12.230	0.020	0.5	0.0055	0.0000	OK
600 minute winter	SW45	285	12.184	0.025	0.8	0.0071	0.0000	OK
600 minute winter	SW46	315	12.062	0.024	1.0	0.0069	0.0000	OK
600 minute winter	SW47	315	11.186	0.041	2.1	0.0117	0.0000	OK
600 minute winter	SW48	255	11.913	0.013	0.2	0.0000	0.0000	OK
600 minute winter	SW49	285	11.915	0.015	0.3	0.0000	0.0000	OK
600 minute winter	SW50	315	11.821	0.020	0.5	0.0032	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	SW26	6.002	SW28	1.3	0.572	0.215	0.0141	
600 minute winter	SW27	7.000	SW26	0.2	0.216	0.011	0.0046	
600 minute winter	SW28	6.003	SW30	1.8	0.604	0.101	0.0107	
600 minute winter	SW29	8.000	SW28	0.5	0.463	0.083	0.0053	
600 minute winter	SW30	6.004	SW31	1.8	0.634	0.101	0.0286	
600 minute winter	SW31	Flow through Pond	SW32	1.3	0.001	0.000	23.6891	
600 minute winter	SW32	6.005	SW33	0.1	0.316	0.024	0.0016	
600 minute winter	SW33	6.006	SW35	0.3	0.365	0.015	0.0111	
600 minute winter	SW34	9.000	SW33	0.1	0.386	0.015	0.0005	
600 minute winter	SW35	6.007	SW36	0.3	0.366	0.015	0.0054	
600 minute winter	SW36	6.008	SW37	0.3	0.293	0.015	0.0151	
600 minute winter	SW37	6.009	SW23	0.5	0.325	0.028	0.0272	
600 minute winter	SW38	10.000	SW37	0.2	0.454	0.027	0.0007	
600 minute winter	SW39	11.000	SW23	0.1	0.383	0.015	0.0005	
600 minute winter	SW40	Pump		1.8				64.6
600 minute winter	SW41	12.000	SW40	0.1	0.396	0.016	0.0007	
600 minute winter	SW42	13.000	SW43	0.5	0.591	0.058	0.0030	
600 minute winter	SW43	13.001	SW44	0.5	0.461	0.083	0.0098	
600 minute winter	SW44	13.002	SW45	0.5	0.385	0.083	0.0067	
600 minute winter	SW45	13.003	SW46	0.8	0.551	0.133	0.0181	
600 minute winter	SW46	13.004	SW47	1.0	0.691	0.125	0.0204	
600 minute winter	SW47	17.000	SW55	2.1	0.667	0.348	0.0467	
600 minute winter	SW48	14.000	SW47	0.2	0.355	0.033	0.0078	
600 minute winter	SW49	15.000	SW50	0.3	0.352	0.050	0.0093	
600 minute winter	SW50	15.001	SW51	0.5	0.507	0.083	0.0128	

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Results for 100 year +45% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	SW51	315	11.689	0.017	0.5	0.0026	0.0000	OK
600 minute winter	SW52	315	11.226	0.026	0.9	0.0074	0.0000	OK
600 minute winter	SW53	300	11.918	0.018	0.4	0.0000	0.0000	OK
600 minute winter	SW54	300	11.288	0.017	0.4	0.0049	0.0000	OK
600 minute winter	SW55	585	11.055	0.058	2.1	0.0041	0.0000	OK
600 minute winter	SW56	585	11.055	0.761	2.1	0.0000	0.0000	OK
600 minute winter	SW57	585	11.055	0.771	1.1	0.2183	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	SW51	15.002	SW52	0.5	0.409	0.060	0.0306	
600 minute winter	SW52	15.003	SW47	0.9	0.387	0.149	0.0130	
600 minute winter	SW53	16.000	SW54	0.4	0.431	0.066	0.0032	
600 minute winter	SW54	16.001	SW52	0.4	0.333	0.066	0.0091	
600 minute winter	SW55	17.001	SW56	2.1	0.679	0.348	0.0067	
600 minute winter	SW56	Flow through Pond	SW57	1.1	0.002	0.000	26.0837	
600 minute winter	SW57	17.002	SW40	0.1	0.579	0.024	0.0017	

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Results for 100 year +45% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	SW1	735	13.413	0.523	7.8	84.6329	0.0000	FLOOD RISK
720 minute summer	SW2	735	12.594	0.012	0.2	0.0034	0.0000	OK
720 minute summer	SW3	735	12.455	0.011	0.2	0.0031	0.0000	OK
720 minute summer	SW4	735	12.244	0.015	0.4	0.0000	0.0000	OK
720 minute summer	SW5	375	13.126	0.026	0.9	0.0000	0.0000	OK
720 minute summer	SW6	375	13.058	0.026	0.9	0.0042	0.0000	OK
720 minute summer	SW7	375	12.971	0.028	0.9	0.0020	0.0000	OK
720 minute summer	SW8	720	12.954	0.699	0.9	0.0000	0.0000	OK
720 minute summer	SW9	720	12.954	0.711	0.7	0.2012	0.0000	SURCHARGED
720 minute summer	SW10	375	13.134	0.014	0.6	0.0000	0.0000	OK
720 minute summer	SW11	720	12.954	0.699	0.6	0.0000	0.0000	OK
720 minute summer	SW12	735	11.888	0.015	0.4	0.0042	0.0000	OK
720 minute summer	SW13	720	11.648	0.019	0.8	0.0166	0.0000	OK
720 minute summer	SW14	705	13.560	0.440	1.7	15.4361	0.0000	FLOOD RISK
720 minute summer	SW15	705	12.903	0.011	0.1	0.0030	0.0000	OK
720 minute summer	SW16	705	12.832	0.010	0.1	0.0030	0.0000	OK
720 minute summer	SW17	720	12.688	0.011	0.3	0.0094	0.0000	OK
720 minute summer	SW18	735	13.259	0.389	7.5	82.2036	0.0000	FLOOD RISK
720 minute summer	SW19	720	12.566	0.013	0.4	0.0038	0.0000	OK
720 minute summer	SW20	675	12.966	0.396	1.6	14.8025	0.0000	FLOOD RISK
720 minute summer	SW21	735	11.578	0.020	0.9	0.0057	0.0000	OK
720 minute summer	SW22	720	12.350	0.390	2.4	23.4977	0.0000	FLOOD RISK
720 minute summer	SW23	720	11.035	0.026	1.5	0.0072	0.0000	OK
720 minute summer	SW24	375	12.874	0.034	1.5	0.0000	0.0000	OK
720 minute summer	SW25	375	12.691	0.034	1.5	0.0096	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	SW1	1.000	SW2	0.2	0.339	0.012	0.0195	
720 minute summer	SW2	1.001	SW3	0.2	0.354	0.012	0.0084	
720 minute summer	SW3	1.002	SW4	0.2	0.297	0.011	0.0122	
720 minute summer	SW4	1.008	SW12	0.4	0.400	0.020	0.0318	
720 minute summer	SW5	1.003	SW6	0.9	0.544	0.149	0.0113	
720 minute summer	SW6	1.004	SW7	0.9	0.523	0.149	0.0152	
720 minute summer	SW7	1.005	SW8	0.9	0.525	0.149	0.0018	
720 minute summer	SW8	Flow through Pond	SW9	0.7	0.007	0.000	12.0519	
720 minute summer	SW9	1.007	SW4	0.1	0.246	0.023	0.0008	
720 minute summer	SW10	1.006	SW11	0.6	0.890	0.043	0.0022	
720 minute summer	SW11	Flow through Pond	SW9	0.7	0.007	0.000	12.0519	
720 minute summer	SW12	1.009	SW13	0.4	0.326	0.020	0.0268	
720 minute summer	SW13	1.010	SW21	0.8	0.450	0.014	0.0119	
720 minute summer	SW14	2.000	SW15	0.1	0.315	0.023	0.0099	
720 minute summer	SW15	2.001	SW16	0.1	0.315	0.023	0.0030	
720 minute summer	SW16	2.002	SW17	0.1	0.308	0.023	0.0065	
720 minute summer	SW17	2.003	SW19	0.3	0.398	0.010	0.0040	
720 minute summer	SW18	3.000	SW17	0.1	0.361	0.005	0.0004	
720 minute summer	SW19	2.004	SW13	0.4	0.520	0.016	0.0039	
720 minute summer	SW20	4.000	SW19	0.1	0.251	0.021	0.0009	
720 minute summer	SW21	1.011	SW23	0.9	0.421	0.016	0.1062	
720 minute summer	SW22	5.000	SW21	0.1	0.194	0.013	0.0106	
720 minute summer	SW23	6.010	SW40	1.5	0.620	0.026	0.0203	
720 minute summer	SW24	6.000	SW25	1.5	0.638	0.248	0.0430	
720 minute summer	SW25	6.001	SW26	1.5	0.590	0.248	0.0552	

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Results for 100 year +45% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	SW26	375	12.478	0.038	1.8	0.0000	0.0000	OK
720 minute summer	SW27	375	12.809	0.009	0.3	0.0000	0.0000	OK
720 minute summer	SW28	375	12.419	0.041	2.5	0.0356	0.0000	OK
720 minute summer	SW29	375	12.853	0.023	0.7	0.0000	0.0000	OK
720 minute summer	SW30	705	12.390	0.048	2.5	0.0413	0.0000	OK
720 minute summer	SW31	720	12.390	0.732	2.5	0.0000	0.0000	OK
720 minute summer	SW32	720	12.390	0.736	1.3	0.2082	0.0000	SURCHARGED
720 minute summer	SW33	735	11.582	0.013	0.3	0.0113	0.0000	OK
720 minute summer	SW34	735	13.731	0.381	3.5	36.8166	0.0000	FLOOD RISK
720 minute summer	SW35	735	11.432	0.013	0.3	0.0037	0.0000	OK
720 minute summer	SW36	735	11.359	0.013	0.3	0.0037	0.0000	OK
720 minute summer	SW37	720	11.201	0.017	0.5	0.0150	0.0000	OK
720 minute summer	SW38	720	13.259	0.589	2.8	26.4793	0.0000	FLOOD RISK
720 minute summer	SW39	720	12.841	0.541	2.2	21.1190	0.0000	FLOOD RISK
720 minute summer	SW40	720	10.239	0.001	1.8	0.0008	0.0000	OK
720 minute summer	SW41	720	12.647	0.427	2.2	20.7989	0.0000	FLOOD RISK
720 minute summer	SW42	375	12.840	0.020	0.7	0.0000	0.0000	OK
720 minute summer	SW43	375	12.323	0.023	0.7	0.0066	0.0000	OK
720 minute summer	SW44	375	12.233	0.023	0.7	0.0066	0.0000	OK
720 minute summer	SW45	375	12.189	0.030	1.1	0.0084	0.0000	OK
720 minute summer	SW46	375	12.066	0.028	1.3	0.0079	0.0000	OK
720 minute summer	SW47	375	11.193	0.048	2.7	0.0136	0.0000	OK
720 minute summer	SW48	375	11.915	0.015	0.3	0.0000	0.0000	OK
720 minute summer	SW49	375	11.917	0.017	0.4	0.0000	0.0000	OK
720 minute summer	SW50	375	11.823	0.022	0.6	0.0035	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	SW26	6.002	SW28	1.8	0.623	0.298	0.0179	
720 minute summer	SW27	7.000	SW26	0.3	0.216	0.016	0.0059	
720 minute summer	SW28	6.003	SW30	2.5	0.657	0.141	0.0137	
720 minute summer	SW29	8.000	SW28	0.7	0.509	0.116	0.0068	
720 minute summer	SW30	6.004	SW31	2.5	0.694	0.141	0.0290	
720 minute summer	SW31	Flow through Pond	SW32	1.3	0.001	0.000	23.6998	
720 minute summer	SW32	6.005	SW33	0.1	0.316	0.024	0.0016	
720 minute summer	SW33	6.006	SW35	0.3	0.365	0.015	0.0111	
720 minute summer	SW34	9.000	SW33	0.1	0.387	0.015	0.0005	
720 minute summer	SW35	6.007	SW36	0.3	0.366	0.015	0.0054	
720 minute summer	SW36	6.008	SW37	0.3	0.293	0.015	0.0151	
720 minute summer	SW37	6.009	SW23	0.5	0.325	0.028	0.0272	
720 minute summer	SW38	10.000	SW37	0.2	0.454	0.027	0.0007	
720 minute summer	SW39	11.000	SW23	0.1	0.382	0.014	0.0005	
720 minute summer	SW40	Pump		1.8				72.9
720 minute summer	SW41	12.000	SW40	0.1	0.394	0.016	0.0007	
720 minute summer	SW42	13.000	SW43	0.7	0.651	0.082	0.0038	
720 minute summer	SW43	13.001	SW44	0.7	0.503	0.116	0.0125	
720 minute summer	SW44	13.002	SW45	0.7	0.422	0.116	0.0086	
720 minute summer	SW45	13.003	SW46	1.1	0.593	0.182	0.0224	
720 minute summer	SW46	13.004	SW47	1.3	0.744	0.162	0.0246	
720 minute summer	SW47	17.000	SW55	2.7	0.709	0.447	0.0564	
720 minute summer	SW48	14.000	SW47	0.3	0.401	0.050	0.0104	
720 minute summer	SW49	15.000	SW50	0.4	0.365	0.066	0.0109	
720 minute summer	SW50	15.001	SW51	0.6	0.534	0.099	0.0145	

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Results for 100 year +45% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.69%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	SW51	375	11.690	0.018	0.6	0.0029	0.0000	OK
720 minute summer	SW52	375	11.229	0.029	1.1	0.0082	0.0000	OK
720 minute summer	SW53	375	11.920	0.020	0.5	0.0000	0.0000	OK
720 minute summer	SW54	375	11.290	0.019	0.5	0.0055	0.0000	OK
720 minute summer	SW55	375	11.047	0.050	2.7	0.0035	0.0000	OK
720 minute summer	SW56	645	11.006	0.712	2.7	0.0000	0.0000	OK
720 minute summer	SW57	645	11.006	0.722	1.4	0.2044	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	SW51	15.002	SW52	0.6	0.428	0.072	0.0351	
720 minute summer	SW52	15.003	SW47	1.1	0.397	0.182	0.0155	
720 minute summer	SW53	16.000	SW54	0.5	0.460	0.083	0.0037	
720 minute summer	SW54	16.001	SW52	0.5	0.343	0.083	0.0105	
720 minute summer	SW55	17.001	SW56	2.7	0.724	0.447	0.0047	
720 minute summer	SW56	Flow through Pond	SW57	1.4	0.004	0.000	24.5332	
720 minute summer	SW57	17.002	SW40	0.1	0.575	0.024	0.0017	

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Results for 100 year +45% CC 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.70%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	SW1	720	13.415	0.525	5.3	84.9328	0.0000	FLOOD RISK
720 minute winter	SW2	720	12.594	0.012	0.2	0.0034	0.0000	OK
720 minute winter	SW3	720	12.455	0.011	0.2	0.0031	0.0000	OK
720 minute winter	SW4	705	12.244	0.015	0.4	0.0000	0.0000	OK
720 minute winter	SW5	360	13.122	0.022	0.6	0.0000	0.0000	OK
720 minute winter	SW6	360	13.054	0.022	0.6	0.0034	0.0000	OK
720 minute winter	SW7	360	12.966	0.023	0.6	0.0016	0.0000	OK
720 minute winter	SW8	705	12.943	0.688	0.6	0.0000	0.0000	OK
720 minute winter	SW9	705	12.943	0.700	0.5	0.1980	0.0000	SURCHARGED
720 minute winter	SW10	345	13.132	0.012	0.4	0.0000	0.0000	OK
720 minute winter	SW11	705	12.943	0.688	0.4	0.0000	0.0000	OK
720 minute winter	SW12	705	11.888	0.015	0.4	0.0042	0.0000	OK
720 minute winter	SW13	705	11.648	0.019	0.8	0.0166	0.0000	OK
720 minute winter	SW14	705	13.568	0.448	1.1	15.7144	0.0000	FLOOD RISK
720 minute winter	SW15	705	12.903	0.011	0.1	0.0030	0.0000	OK
720 minute winter	SW16	705	12.833	0.011	0.1	0.0030	0.0000	OK
720 minute winter	SW17	705	12.688	0.011	0.3	0.0095	0.0000	OK
720 minute winter	SW18	720	13.264	0.394	5.0	83.2738	0.0000	FLOOD RISK
720 minute winter	SW19	705	12.566	0.013	0.4	0.0038	0.0000	OK
720 minute winter	SW20	690	12.964	0.394	1.1	14.7254	0.0000	FLOOD RISK
720 minute winter	SW21	705	11.578	0.020	0.9	0.0057	0.0000	OK
720 minute winter	SW22	720	12.357	0.397	1.6	23.8864	0.0000	FLOOD RISK
720 minute winter	SW23	705	11.035	0.026	1.5	0.0072	0.0000	OK
720 minute winter	SW24	360	12.868	0.028	1.0	0.0000	0.0000	OK
720 minute winter	SW25	360	12.685	0.028	1.0	0.0078	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	SW1	1.000	SW2	0.2	0.339	0.012	0.0195	
720 minute winter	SW2	1.001	SW3	0.2	0.354	0.012	0.0084	
720 minute winter	SW3	1.002	SW4	0.2	0.298	0.011	0.0122	
720 minute winter	SW4	1.008	SW12	0.4	0.400	0.020	0.0317	
720 minute winter	SW5	1.003	SW6	0.6	0.486	0.099	0.0084	
720 minute winter	SW6	1.004	SW7	0.6	0.470	0.099	0.0113	
720 minute winter	SW7	1.005	SW8	0.6	0.469	0.099	0.0013	
720 minute winter	SW8	Flow through Pond	SW9	0.5	0.007	0.000	11.8615	
720 minute winter	SW9	1.007	SW4	0.1	0.245	0.023	0.0008	
720 minute winter	SW10	1.006	SW11	0.4	0.786	0.028	0.0017	
720 minute winter	SW11	Flow through Pond	SW9	0.5	0.007	0.000	11.8615	
720 minute winter	SW12	1.009	SW13	0.4	0.326	0.020	0.0268	
720 minute winter	SW13	1.010	SW21	0.8	0.451	0.014	0.0119	
720 minute winter	SW14	2.000	SW15	0.1	0.316	0.023	0.0100	
720 minute winter	SW15	2.001	SW16	0.1	0.316	0.023	0.0030	
720 minute winter	SW16	2.002	SW17	0.1	0.309	0.023	0.0065	
720 minute winter	SW17	2.003	SW19	0.3	0.400	0.010	0.0040	
720 minute winter	SW18	3.000	SW17	0.1	0.362	0.005	0.0004	
720 minute winter	SW19	2.004	SW13	0.4	0.521	0.016	0.0040	
720 minute winter	SW20	4.000	SW19	0.1	0.250	0.021	0.0009	
720 minute winter	SW21	1.011	SW23	0.9	0.422	0.016	0.1064	
720 minute winter	SW22	5.000	SW21	0.1	0.195	0.013	0.0107	
720 minute winter	SW23	6.010	SW40	1.5	0.621	0.026	0.0203	
720 minute winter	SW24	6.000	SW25	1.0	0.570	0.166	0.0321	
720 minute winter	SW25	6.001	SW26	1.0	0.530	0.166	0.0410	

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Results for 100 year +45% CC 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.70%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	SW26	390	12.471	0.031	1.2	0.0000	0.0000	OK
720 minute winter	SW27	330	12.807	0.007	0.2	0.0000	0.0000	OK
720 minute winter	SW28	375	12.411	0.033	1.7	0.0290	0.0000	OK
720 minute winter	SW29	375	12.850	0.020	0.5	0.0000	0.0000	OK
720 minute winter	SW30	690	12.398	0.056	1.7	0.0486	0.0000	OK
720 minute winter	SW31	705	12.397	0.739	1.7	0.0000	0.0000	OK
720 minute winter	SW32	705	12.397	0.743	1.1	0.2101	0.0000	SURCHARGED
720 minute winter	SW33	705	11.582	0.013	0.3	0.0113	0.0000	OK
720 minute winter	SW34	720	13.736	0.386	2.4	37.3049	0.0000	FLOOD RISK
720 minute winter	SW35	705	11.432	0.013	0.3	0.0037	0.0000	OK
720 minute winter	SW36	705	11.359	0.013	0.3	0.0037	0.0000	OK
720 minute winter	SW37	705	11.201	0.017	0.5	0.0150	0.0000	OK
720 minute winter	SW38	705	13.251	0.581	1.9	26.1354	0.0000	FLOOD RISK
720 minute winter	SW39	705	12.860	0.560	1.5	21.8446	0.0000	FLOOD RISK
720 minute winter	SW40	705	10.239	0.001	1.8	0.0008	0.0000	OK
720 minute winter	SW41	705	12.662	0.442	1.5	21.5287	0.0000	FLOOD RISK
720 minute winter	SW42	375	12.837	0.017	0.5	0.0000	0.0000	OK
720 minute winter	SW43	375	12.320	0.020	0.5	0.0056	0.0000	OK
720 minute winter	SW44	375	12.230	0.020	0.5	0.0055	0.0000	OK
720 minute winter	SW45	375	12.184	0.025	0.8	0.0071	0.0000	OK
720 minute winter	SW46	375	12.061	0.023	0.9	0.0065	0.0000	OK
720 minute winter	SW47	375	11.183	0.038	1.8	0.0108	0.0000	OK
720 minute winter	SW48	330	11.913	0.013	0.2	0.0000	0.0000	OK
720 minute winter	SW49	360	11.915	0.015	0.3	0.0000	0.0000	OK
720 minute winter	SW50	360	11.819	0.018	0.4	0.0029	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	SW26	6.002	SW28	1.2	0.568	0.199	0.0134	
720 minute winter	SW27	7.000	SW26	0.2	0.216	0.011	0.0044	
720 minute winter	SW28	6.003	SW30	1.7	0.596	0.096	0.0128	
720 minute winter	SW29	8.000	SW28	0.5	0.463	0.083	0.0053	
720 minute winter	SW30	6.004	SW31	1.7	0.623	0.096	0.0332	
720 minute winter	SW31	Flow through Pond	SW32	1.1	0.001	0.000	23.9246	
720 minute winter	SW32	6.005	SW33	0.1	0.316	0.024	0.0016	
720 minute winter	SW33	6.006	SW35	0.3	0.366	0.015	0.0112	
720 minute winter	SW34	9.000	SW33	0.1	0.388	0.015	0.0005	
720 minute winter	SW35	6.007	SW36	0.3	0.367	0.015	0.0054	
720 minute winter	SW36	6.008	SW37	0.3	0.294	0.015	0.0151	
720 minute winter	SW37	6.009	SW23	0.5	0.324	0.028	0.0273	
720 minute winter	SW38	10.000	SW37	0.2	0.453	0.026	0.0007	
720 minute winter	SW39	11.000	SW23	0.1	0.384	0.015	0.0005	
720 minute winter	SW40	Pump		1.8				73.3
720 minute winter	SW41	12.000	SW40	0.1	0.396	0.016	0.0007	
720 minute winter	SW42	13.000	SW43	0.5	0.591	0.058	0.0030	
720 minute winter	SW43	13.001	SW44	0.5	0.461	0.083	0.0098	
720 minute winter	SW44	13.002	SW45	0.5	0.383	0.083	0.0067	
720 minute winter	SW45	13.003	SW46	0.8	0.551	0.133	0.0175	
720 minute winter	SW46	13.004	SW47	0.9	0.671	0.112	0.0189	
720 minute winter	SW47	17.000	SW55	1.8	0.642	0.298	0.0416	
720 minute winter	SW48	14.000	SW47	0.2	0.355	0.033	0.0078	
720 minute winter	SW49	15.000	SW50	0.3	0.352	0.050	0.0085	
720 minute winter	SW50	15.001	SW51	0.4	0.474	0.066	0.0109	

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Results for 100 year +45% CC 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.70%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	SW51	360	11.687	0.015	0.4	0.0024	0.0000	OK
720 minute winter	SW52	360	11.223	0.023	0.7	0.0065	0.0000	OK
720 minute winter	SW53	330	11.915	0.015	0.3	0.0000	0.0000	OK
720 minute winter	SW54	330	11.286	0.015	0.3	0.0043	0.0000	OK
720 minute winter	SW55	375	11.037	0.040	1.8	0.0028	0.0000	OK
720 minute winter	SW56	690	11.013	0.719	1.8	0.0000	0.0000	OK
720 minute winter	SW57	690	11.013	0.729	1.0	0.2064	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	SW51	15.002	SW52	0.4	0.388	0.048	0.0257	
720 minute winter	SW52	15.003	SW47	0.7	0.355	0.116	0.0113	
720 minute winter	SW53	16.000	SW54	0.3	0.397	0.050	0.0026	
720 minute winter	SW54	16.001	SW52	0.3	0.308	0.050	0.0075	
720 minute winter	SW55	17.001	SW56	1.8	0.652	0.298	0.0035	
720 minute winter	SW56	Flow through Pond	SW57	1.0	0.001	0.000	24.7744	
720 minute winter	SW57	17.002	SW40	0.1	0.574	0.024	0.0017	

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Results for 100 year +45% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.72%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	SW1	975	13.428	0.538	6.3	86.9472	0.0000	FLOOD RISK
960 minute summer	SW2	975	12.594	0.012	0.2	0.0034	0.0000	OK
960 minute summer	SW3	975	12.455	0.011	0.2	0.0031	0.0000	OK
960 minute summer	SW4	960	12.244	0.015	0.4	0.0000	0.0000	OK
960 minute summer	SW5	495	13.123	0.023	0.7	0.0000	0.0000	OK
960 minute summer	SW6	495	13.055	0.023	0.7	0.0037	0.0000	OK
960 minute summer	SW7	495	12.967	0.024	0.7	0.0017	0.0000	OK
960 minute summer	SW8	840	12.936	0.681	0.7	0.0000	0.0000	OK
960 minute summer	SW9	840	12.936	0.693	0.6	0.1962	0.0000	SURCHARGED
960 minute summer	SW10	495	13.133	0.013	0.5	0.0000	0.0000	OK
960 minute summer	SW11	840	12.936	0.681	0.5	0.0000	0.0000	OK
960 minute summer	SW12	960	11.888	0.015	0.4	0.0042	0.0000	OK
960 minute summer	SW13	960	11.648	0.019	0.7	0.0166	0.0000	OK
960 minute summer	SW14	810	13.558	0.438	1.3	15.3746	0.0000	FLOOD RISK
960 minute summer	SW15	810	12.903	0.011	0.1	0.0030	0.0000	OK
960 minute summer	SW16	810	12.832	0.010	0.1	0.0030	0.0000	OK
960 minute summer	SW17	960	12.688	0.011	0.3	0.0094	0.0000	OK
960 minute summer	SW18	975	13.275	0.405	6.0	85.6484	0.0000	FLOOD RISK
960 minute summer	SW19	960	12.566	0.013	0.4	0.0038	0.0000	OK
960 minute summer	SW20	780	12.947	0.377	1.3	14.0763	0.0000	FLOOD RISK
960 minute summer	SW21	960	11.578	0.020	0.9	0.0057	0.0000	OK
960 minute summer	SW22	960	12.358	0.398	1.9	23.9944	0.0000	FLOOD RISK
960 minute summer	SW23	960	11.035	0.026	1.5	0.0072	0.0000	OK
960 minute summer	SW24	495	12.870	0.030	1.2	0.0000	0.0000	OK
960 minute summer	SW25	495	12.687	0.030	1.2	0.0086	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	SW1	1.000	SW2	0.2	0.340	0.012	0.0197	
960 minute summer	SW2	1.001	SW3	0.2	0.355	0.012	0.0085	
960 minute summer	SW3	1.002	SW4	0.2	0.300	0.011	0.0123	
960 minute summer	SW4	1.008	SW12	0.4	0.400	0.020	0.0317	
960 minute summer	SW5	1.003	SW6	0.7	0.507	0.116	0.0094	
960 minute summer	SW6	1.004	SW7	0.7	0.489	0.116	0.0127	
960 minute summer	SW7	1.005	SW8	0.7	0.490	0.116	0.0015	
960 minute summer	SW8	Flow through Pond	SW9	0.6	0.011	0.000	11.7505	
960 minute summer	SW9	1.007	SW4	0.1	0.245	0.023	0.0008	
960 minute summer	SW10	1.006	SW11	0.5	0.842	0.036	0.0020	
960 minute summer	SW11	Flow through Pond	SW9	0.6	0.011	0.000	11.7505	
960 minute summer	SW12	1.009	SW13	0.4	0.327	0.020	0.0268	
960 minute summer	SW13	1.010	SW21	0.7	0.450	0.014	0.0118	
960 minute summer	SW14	2.000	SW15	0.1	0.315	0.023	0.0099	
960 minute summer	SW15	2.001	SW16	0.1	0.315	0.023	0.0030	
960 minute summer	SW16	2.002	SW17	0.1	0.308	0.023	0.0065	
960 minute summer	SW17	2.003	SW19	0.3	0.401	0.010	0.0040	
960 minute summer	SW18	3.000	SW17	0.1	0.363	0.005	0.0004	
960 minute summer	SW19	2.004	SW13	0.4	0.519	0.016	0.0039	
960 minute summer	SW20	4.000	SW19	0.1	0.248	0.021	0.0009	
960 minute summer	SW21	1.011	SW23	0.9	0.421	0.016	0.1062	
960 minute summer	SW22	5.000	SW21	0.1	0.195	0.013	0.0106	
960 minute summer	SW23	6.010	SW40	1.5	0.621	0.026	0.0203	
960 minute summer	SW24	6.000	SW25	1.2	0.600	0.199	0.0366	
960 minute summer	SW25	6.001	SW26	1.2	0.563	0.199	0.0463	

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Results for 100 year +45% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.72%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	SW26	495	12.473	0.033	1.4	0.0000	0.0000	OK
960 minute summer	SW27	450	12.807	0.007	0.2	0.0000	0.0000	OK
960 minute summer	SW28	495	12.414	0.036	2.0	0.0316	0.0000	OK
960 minute summer	SW29	495	12.852	0.022	0.6	0.0000	0.0000	OK
960 minute summer	SW30	915	12.403	0.061	2.0	0.0532	0.0000	OK
960 minute summer	SW31	930	12.401	0.743	2.0	0.0000	0.0000	OK
960 minute summer	SW32	930	12.401	0.747	1.1	0.2114	0.0000	SURCHARGED
960 minute summer	SW33	945	11.582	0.013	0.3	0.0114	0.0000	OK
960 minute summer	SW34	960	13.746	0.396	2.8	38.2963	0.0000	FLOOD RISK
960 minute summer	SW35	945	11.432	0.013	0.3	0.0038	0.0000	OK
960 minute summer	SW36	945	11.359	0.013	0.3	0.0037	0.0000	OK
960 minute summer	SW37	945	11.201	0.017	0.5	0.0150	0.0000	OK
960 minute summer	SW38	825	13.252	0.582	2.3	26.1830	0.0000	FLOOD RISK
960 minute summer	SW39	960	12.849	0.549	1.7	21.4107	0.0000	FLOOD RISK
960 minute summer	SW40	960	10.239	0.001	1.8	0.0008	0.0000	OK
960 minute summer	SW41	960	12.651	0.431	1.7	20.9801	0.0000	FLOOD RISK
960 minute summer	SW42	495	12.838	0.018	0.6	0.0000	0.0000	OK
960 minute summer	SW43	495	12.322	0.022	0.6	0.0061	0.0000	OK
960 minute summer	SW44	495	12.232	0.022	0.6	0.0061	0.0000	OK
960 minute summer	SW45	495	12.186	0.027	0.9	0.0075	0.0000	OK
960 minute summer	SW46	495	12.063	0.025	1.1	0.0072	0.0000	OK
960 minute summer	SW47	495	11.188	0.043	2.2	0.0120	0.0000	OK
960 minute summer	SW48	450	11.913	0.013	0.2	0.0000	0.0000	OK
960 minute summer	SW49	480	11.915	0.015	0.3	0.0000	0.0000	OK
960 minute summer	SW50	495	11.821	0.020	0.5	0.0032	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	SW26	6.002	SW28	1.4	0.577	0.232	0.0150	
960 minute summer	SW27	7.000	SW26	0.2	0.216	0.011	0.0049	
960 minute summer	SW28	6.003	SW30	2.0	0.621	0.113	0.0149	
960 minute summer	SW29	8.000	SW28	0.6	0.487	0.099	0.0060	
960 minute summer	SW30	6.004	SW31	2.0	0.652	0.113	0.0360	
960 minute summer	SW31	Flow through Pond	SW32	1.1	0.001	0.000	24.0737	
960 minute summer	SW32	6.005	SW33	0.1	0.317	0.024	0.0016	
960 minute summer	SW33	6.006	SW35	0.3	0.367	0.015	0.0112	
960 minute summer	SW34	9.000	SW33	0.1	0.389	0.015	0.0005	
960 minute summer	SW35	6.007	SW36	0.3	0.367	0.015	0.0055	
960 minute summer	SW36	6.008	SW37	0.3	0.295	0.015	0.0152	
960 minute summer	SW37	6.009	SW23	0.5	0.325	0.028	0.0273	
960 minute summer	SW38	10.000	SW37	0.2	0.453	0.026	0.0007	
960 minute summer	SW39	11.000	SW23	0.1	0.383	0.014	0.0005	
960 minute summer	SW40	Pump		1.8				89.7
960 minute summer	SW41	12.000	SW40	0.1	0.395	0.016	0.0007	
960 minute summer	SW42	13.000	SW43	0.6	0.623	0.070	0.0034	
960 minute summer	SW43	13.001	SW44	0.6	0.481	0.099	0.0112	
960 minute summer	SW44	13.002	SW45	0.6	0.412	0.099	0.0075	
960 minute summer	SW45	13.003	SW46	0.9	0.556	0.149	0.0196	
960 minute summer	SW46	13.004	SW47	1.1	0.710	0.137	0.0218	
960 minute summer	SW47	17.000	SW55	2.2	0.675	0.364	0.0484	
960 minute summer	SW48	14.000	SW47	0.2	0.355	0.033	0.0078	
960 minute summer	SW49	15.000	SW50	0.3	0.351	0.050	0.0093	
960 minute summer	SW50	15.001	SW51	0.5	0.507	0.083	0.0128	

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Results for 100 year +45% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.72%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	SW51	495	11.689	0.017	0.5	0.0026	0.0000	OK
960 minute summer	SW52	495	11.226	0.026	0.9	0.0074	0.0000	OK
960 minute summer	SW53	495	11.918	0.018	0.4	0.0000	0.0000	OK
960 minute summer	SW54	495	11.288	0.017	0.4	0.0049	0.0000	OK
960 minute summer	SW55	495	11.041	0.044	2.2	0.0031	0.0000	OK
960 minute summer	SW56	765	10.990	0.696	2.2	0.0000	0.0000	OK
960 minute summer	SW57	765	10.990	0.706	1.2	0.1999	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	SW51	15.002	SW52	0.5	0.409	0.060	0.0306	
960 minute summer	SW52	15.003	SW47	0.9	0.379	0.149	0.0133	
960 minute summer	SW53	16.000	SW54	0.4	0.431	0.066	0.0032	
960 minute summer	SW54	16.001	SW52	0.4	0.318	0.066	0.0091	
960 minute summer	SW55	17.001	SW56	2.2	0.687	0.364	0.0040	
960 minute summer	SW56	Flow through Pond	SW57	1.2	0.003	0.000	23.9924	
960 minute summer	SW57	17.002	SW40	0.1	0.573	0.023	0.0017	

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Results for 100 year +45% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.71%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	SW1	945	13.428	0.538	4.2	87.0880	0.0000	FLOOD RISK
960 minute winter	SW2	945	12.594	0.012	0.2	0.0034	0.0000	OK
960 minute winter	SW3	960	12.455	0.011	0.2	0.0031	0.0000	OK
960 minute winter	SW4	930	12.244	0.015	0.4	0.0000	0.0000	OK
960 minute winter	SW5	480	13.120	0.020	0.5	0.0000	0.0000	OK
960 minute winter	SW6	480	13.052	0.020	0.5	0.0031	0.0000	OK
960 minute winter	SW7	480	12.964	0.021	0.5	0.0015	0.0000	OK
960 minute winter	SW8	900	12.963	0.708	0.5	0.0000	0.0000	OK
960 minute winter	SW9	900	12.963	0.720	0.4	0.2037	0.0000	SURCHARGED
960 minute winter	SW10	435	13.130	0.010	0.3	0.0000	0.0000	OK
960 minute winter	SW11	900	12.963	0.708	0.3	0.0000	0.0000	OK
960 minute winter	SW12	930	11.888	0.015	0.4	0.0042	0.0000	OK
960 minute winter	SW13	930	11.648	0.019	0.8	0.0167	0.0000	OK
960 minute winter	SW14	900	13.568	0.448	0.9	15.7230	0.0000	FLOOD RISK
960 minute winter	SW15	900	12.903	0.011	0.1	0.0030	0.0000	OK
960 minute winter	SW16	900	12.833	0.011	0.1	0.0030	0.0000	OK
960 minute winter	SW17	945	12.688	0.011	0.3	0.0095	0.0000	OK
960 minute winter	SW18	960	13.276	0.406	4.0	85.8789	0.0000	FLOOD RISK
960 minute winter	SW19	930	12.566	0.013	0.4	0.0038	0.0000	OK
960 minute winter	SW20	810	12.944	0.374	0.8	13.9735	0.0000	FLOOD RISK
960 minute winter	SW21	930	11.578	0.020	0.9	0.0057	0.0000	OK
960 minute winter	SW22	930	12.347	0.387	1.2	23.2844	0.0000	FLOOD RISK
960 minute winter	SW23	930	11.035	0.026	1.5	0.0072	0.0000	OK
960 minute winter	SW24	480	12.865	0.025	0.8	0.0000	0.0000	OK
960 minute winter	SW25	480	12.682	0.025	0.8	0.0070	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	SW1	1.000	SW2	0.2	0.341	0.012	0.0197	
960 minute winter	SW2	1.001	SW3	0.2	0.355	0.012	0.0085	
960 minute winter	SW3	1.002	SW4	0.2	0.299	0.011	0.0123	
960 minute winter	SW4	1.008	SW12	0.4	0.401	0.020	0.0320	
960 minute winter	SW5	1.003	SW6	0.5	0.462	0.083	0.0074	
960 minute winter	SW6	1.004	SW7	0.5	0.447	0.083	0.0099	
960 minute winter	SW7	1.005	SW8	0.5	0.446	0.083	0.0016	
960 minute winter	SW8	Flow through Pond	SW9	0.4	0.006	0.000	12.2017	
960 minute winter	SW9	1.007	SW4	0.1	0.247	0.024	0.0008	
960 minute winter	SW10	1.006	SW11	0.3	0.721	0.021	0.0021	
960 minute winter	SW11	Flow through Pond	SW9	0.4	0.006	0.000	12.2017	
960 minute winter	SW12	1.009	SW13	0.4	0.328	0.020	0.0270	
960 minute winter	SW13	1.010	SW21	0.8	0.451	0.015	0.0119	
960 minute winter	SW14	2.000	SW15	0.1	0.316	0.023	0.0100	
960 minute winter	SW15	2.001	SW16	0.1	0.316	0.023	0.0030	
960 minute winter	SW16	2.002	SW17	0.1	0.309	0.023	0.0065	
960 minute winter	SW17	2.003	SW19	0.3	0.403	0.011	0.0040	
960 minute winter	SW18	3.000	SW17	0.1	0.363	0.005	0.0004	
960 minute winter	SW19	2.004	SW13	0.4	0.520	0.016	0.0039	
960 minute winter	SW20	4.000	SW19	0.1	0.247	0.021	0.0009	
960 minute winter	SW21	1.011	SW23	0.9	0.421	0.016	0.1065	
960 minute winter	SW22	5.000	SW21	0.1	0.193	0.013	0.0106	
960 minute winter	SW23	6.010	SW40	1.5	0.621	0.026	0.0204	
960 minute winter	SW24	6.000	SW25	0.8	0.534	0.133	0.0274	
960 minute winter	SW25	6.001	SW26	0.8	0.491	0.133	0.0354	

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Results for 100 year +45% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.71%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	SW26	480	12.468	0.028	1.0	0.0000	0.0000	OK
960 minute winter	SW27	480	12.807	0.007	0.2	0.0000	0.0000	OK
960 minute winter	SW28	480	12.408	0.030	1.4	0.0261	0.0000	OK
960 minute winter	SW29	480	12.848	0.018	0.4	0.0000	0.0000	OK
960 minute winter	SW30	915	12.403	0.061	1.4	0.0532	0.0000	OK
960 minute winter	SW31	930	12.400	0.742	1.4	0.0000	0.0000	OK
960 minute winter	SW32	930	12.400	0.746	0.9	0.2110	0.0000	SURCHARGED
960 minute winter	SW33	930	11.582	0.013	0.3	0.0114	0.0000	OK
960 minute winter	SW34	945	13.744	0.394	1.9	38.0354	0.0000	FLOOD RISK
960 minute winter	SW35	930	11.432	0.013	0.3	0.0037	0.0000	OK
960 minute winter	SW36	930	11.359	0.013	0.3	0.0037	0.0000	OK
960 minute winter	SW37	930	11.201	0.017	0.5	0.0151	0.0000	OK
960 minute winter	SW38	900	13.259	0.589	1.5	26.5239	0.0000	FLOOD RISK
960 minute winter	SW39	930	12.853	0.553	1.1	21.5944	0.0000	FLOOD RISK
960 minute winter	SW40	930	10.239	0.001	1.8	0.0008	0.0000	OK
960 minute winter	SW41	930	12.655	0.435	1.1	21.1845	0.0000	FLOOD RISK
960 minute winter	SW42	480	12.835	0.015	0.4	0.0000	0.0000	OK
960 minute winter	SW43	480	12.318	0.018	0.4	0.0050	0.0000	OK
960 minute winter	SW44	480	12.228	0.018	0.4	0.0050	0.0000	OK
960 minute winter	SW45	480	12.181	0.022	0.6	0.0062	0.0000	OK
960 minute winter	SW46	480	12.058	0.020	0.7	0.0057	0.0000	OK
960 minute winter	SW47	480	11.179	0.034	1.5	0.0097	0.0000	OK
960 minute winter	SW48	480	11.913	0.013	0.2	0.0000	0.0000	OK
960 minute winter	SW49	405	11.913	0.012	0.2	0.0000	0.0000	OK
960 minute winter	SW50	405	11.817	0.016	0.3	0.0025	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	SW26	6.002	SW28	1.0	0.532	0.166	0.0116	
960 minute winter	SW27	7.000	SW26	0.2	0.217	0.011	0.0039	
960 minute winter	SW28	6.003	SW30	1.4	0.566	0.079	0.0145	
960 minute winter	SW29	8.000	SW28	0.4	0.433	0.066	0.0045	
960 minute winter	SW30	6.004	SW31	1.4	0.590	0.079	0.0356	
960 minute winter	SW31	Flow through Pond	SW32	0.9	0.001	0.000	24.0238	
960 minute winter	SW32	6.005	SW33	0.1	0.317	0.024	0.0016	
960 minute winter	SW33	6.006	SW35	0.3	0.366	0.015	0.0112	
960 minute winter	SW34	9.000	SW33	0.1	0.389	0.015	0.0005	
960 minute winter	SW35	6.007	SW36	0.3	0.367	0.015	0.0055	
960 minute winter	SW36	6.008	SW37	0.3	0.295	0.015	0.0152	
960 minute winter	SW37	6.009	SW23	0.5	0.325	0.028	0.0273	
960 minute winter	SW38	10.000	SW37	0.2	0.454	0.027	0.0007	
960 minute winter	SW39	11.000	SW23	0.1	0.383	0.015	0.0005	
960 minute winter	SW40	Pump		1.8				90.2
960 minute winter	SW41	12.000	SW40	0.1	0.395	0.016	0.0007	
960 minute winter	SW42	13.000	SW43	0.4	0.554	0.047	0.0026	
960 minute winter	SW43	13.001	SW44	0.4	0.431	0.066	0.0084	
960 minute winter	SW44	13.002	SW45	0.4	0.369	0.066	0.0056	
960 minute winter	SW45	13.003	SW46	0.6	0.503	0.099	0.0144	
960 minute winter	SW46	13.004	SW47	0.7	0.624	0.087	0.0158	
960 minute winter	SW47	17.000	SW55	1.5	0.612	0.248	0.0363	
960 minute winter	SW48	14.000	SW47	0.2	0.355	0.033	0.0078	
960 minute winter	SW49	15.000	SW50	0.2	0.298	0.033	0.0067	
960 minute winter	SW50	15.001	SW51	0.3	0.436	0.050	0.0089	

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Results for 100 year +45% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.71%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	SW51	405	11.685	0.013	0.3	0.0021	0.0000	OK
960 minute winter	SW52	480	11.221	0.021	0.6	0.0060	0.0000	OK
960 minute winter	SW53	480	11.915	0.015	0.3	0.0000	0.0000	OK
960 minute winter	SW54	480	11.286	0.015	0.3	0.0043	0.0000	OK
960 minute winter	SW55	480	11.033	0.036	1.5	0.0025	0.0000	OK
960 minute winter	SW56	780	11.017	0.723	1.5	0.0000	0.0000	OK
960 minute winter	SW57	780	11.017	0.733	0.8	0.2075	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	SW51	15.002	SW52	0.3	0.364	0.036	0.0224	
960 minute winter	SW52	15.003	SW47	0.6	0.337	0.099	0.0100	
960 minute winter	SW53	16.000	SW54	0.3	0.397	0.050	0.0026	
960 minute winter	SW54	16.001	SW52	0.3	0.308	0.050	0.0070	
960 minute winter	SW55	17.001	SW56	1.5	0.621	0.248	0.0030	
960 minute winter	SW56	Flow through Pond	SW57	0.8	0.003	0.000	24.9132	
960 minute winter	SW57	17.002	SW40	0.1	0.575	0.024	0.0017	

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Results for 100 year +45% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.78%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	SW1	1440	13.441	0.551	4.4	89.2118	0.0000	FLOOD RISK
1440 minute summer	SW2	1440	12.594	0.012	0.2	0.0034	0.0000	OK
1440 minute summer	SW3	1470	12.455	0.011	0.2	0.0032	0.0000	OK
1440 minute summer	SW4	1290	12.244	0.015	0.4	0.0000	0.0000	OK
1440 minute summer	SW5	750	13.120	0.020	0.5	0.0000	0.0000	OK
1440 minute summer	SW6	750	13.052	0.020	0.5	0.0031	0.0000	OK
1440 minute summer	SW7	750	12.964	0.021	0.5	0.0015	0.0000	OK
1440 minute summer	SW8	1080	12.885	0.630	0.5	0.0000	0.0000	OK
1440 minute summer	SW9	1080	12.885	0.642	0.4	0.1816	0.0000	SURCHARGED
1440 minute summer	SW10	720	13.130	0.010	0.3	0.0000	0.0000	OK
1440 minute summer	SW11	1080	12.885	0.630	0.3	0.0000	0.0000	OK
1440 minute summer	SW12	1290	11.888	0.015	0.4	0.0041	0.0000	OK
1440 minute summer	SW13	1290	11.648	0.019	0.7	0.0165	0.0000	OK
1440 minute summer	SW14	1080	13.529	0.409	0.9	14.3312	0.0000	FLOOD RISK
1440 minute summer	SW15	1080	12.902	0.010	0.1	0.0029	0.0000	OK
1440 minute summer	SW16	1080	12.832	0.010	0.1	0.0029	0.0000	OK
1440 minute summer	SW17	1440	12.688	0.011	0.3	0.0094	0.0000	OK
1440 minute summer	SW18	1470	13.293	0.423	4.2	89.3575	0.0000	FLOOD RISK
1440 minute summer	SW19	1230	12.566	0.013	0.4	0.0038	0.0000	OK
1440 minute summer	SW20	1050	12.941	0.371	0.9	13.8659	0.0000	FLOOD RISK
1440 minute summer	SW21	1290	11.578	0.020	0.9	0.0056	0.0000	OK
1440 minute summer	SW22	1230	12.348	0.388	1.3	23.3511	0.0000	FLOOD RISK
1440 minute summer	SW23	1230	11.034	0.025	1.5	0.0072	0.0000	OK
1440 minute summer	SW24	750	12.865	0.025	0.8	0.0000	0.0000	OK
1440 minute summer	SW25	750	12.682	0.025	0.8	0.0070	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	SW1	1.000	SW2	0.2	0.342	0.012	0.0199	
1440 minute summer	SW2	1.001	SW3	0.2	0.356	0.012	0.0085	
1440 minute summer	SW3	1.002	SW4	0.2	0.306	0.011	0.0122	
1440 minute summer	SW4	1.008	SW12	0.4	0.398	0.020	0.0314	
1440 minute summer	SW5	1.003	SW6	0.5	0.462	0.083	0.0074	
1440 minute summer	SW6	1.004	SW7	0.5	0.447	0.083	0.0099	
1440 minute summer	SW7	1.005	SW8	0.5	0.446	0.083	0.0012	
1440 minute summer	SW8	Flow through Pond	SW9	0.4	0.010	0.000	10.8709	
1440 minute summer	SW9	1.007	SW4	0.1	0.240	0.022	0.0008	
1440 minute summer	SW10	1.006	SW11	0.3	0.721	0.021	0.0014	
1440 minute summer	SW11	Flow through Pond	SW9	0.4	0.010	0.000	10.8709	
1440 minute summer	SW12	1.009	SW13	0.4	0.325	0.020	0.0265	
1440 minute summer	SW13	1.010	SW21	0.7	0.447	0.014	0.0117	
1440 minute summer	SW14	2.000	SW15	0.1	0.311	0.022	0.0096	
1440 minute summer	SW15	2.001	SW16	0.1	0.312	0.022	0.0029	
1440 minute summer	SW16	2.002	SW17	0.1	0.302	0.022	0.0063	
1440 minute summer	SW17	2.003	SW19	0.3	0.399	0.010	0.0040	
1440 minute summer	SW18	3.000	SW17	0.1	0.365	0.005	0.0004	
1440 minute summer	SW19	2.004	SW13	0.4	0.517	0.015	0.0039	
1440 minute summer	SW20	4.000	SW19	0.1	0.248	0.021	0.0009	
1440 minute summer	SW21	1.011	SW23	0.9	0.419	0.016	0.1050	
1440 minute summer	SW22	5.000	SW21	0.1	0.195	0.013	0.0105	
1440 minute summer	SW23	6.010	SW40	1.5	0.618	0.025	0.0201	
1440 minute summer	SW24	6.000	SW25	0.8	0.534	0.133	0.0274	
1440 minute summer	SW25	6.001	SW26	0.8	0.491	0.133	0.0354	

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Results for 100 year +45% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.78%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	SW26	750	12.468	0.028	1.0	0.0000	0.0000	OK
1440 minute summer	SW27	750	12.807	0.007	0.2	0.0000	0.0000	OK
1440 minute summer	SW28	750	12.408	0.030	1.4	0.0261	0.0000	OK
1440 minute summer	SW29	750	12.848	0.018	0.4	0.0000	0.0000	OK
1440 minute summer	SW30	750	12.371	0.029	1.4	0.0254	0.0000	OK
1440 minute summer	SW31	1140	12.355	0.697	1.4	0.0000	0.0000	OK
1440 minute summer	SW32	1140	12.355	0.701	0.8	0.1983	0.0000	SURCHARGED
1440 minute summer	SW33	1200	11.582	0.013	0.3	0.0113	0.0000	OK
1440 minute summer	SW34	1440	13.753	0.403	2.0	38.9128	0.0000	FLOOD RISK
1440 minute summer	SW35	1200	11.432	0.013	0.3	0.0037	0.0000	OK
1440 minute summer	SW36	1200	11.359	0.013	0.3	0.0037	0.0000	OK
1440 minute summer	SW37	1170	11.201	0.017	0.5	0.0149	0.0000	OK
1440 minute summer	SW38	1080	13.234	0.564	1.6	25.3489	0.0000	FLOOD RISK
1440 minute summer	SW39	1170	12.833	0.533	1.2	20.7915	0.0000	FLOOD RISK
1440 minute summer	SW40	1170	10.239	0.001	1.7	0.0008	0.0000	OK
1440 minute summer	SW41	1170	12.638	0.418	1.2	20.3566	0.0000	FLOOD RISK
1440 minute summer	SW42	750	12.835	0.015	0.4	0.0000	0.0000	OK
1440 minute summer	SW43	750	12.318	0.018	0.4	0.0050	0.0000	OK
1440 minute summer	SW44	750	12.228	0.018	0.4	0.0050	0.0000	OK
1440 minute summer	SW45	750	12.181	0.022	0.6	0.0062	0.0000	OK
1440 minute summer	SW46	750	12.058	0.020	0.7	0.0057	0.0000	OK
1440 minute summer	SW47	750	11.179	0.034	1.5	0.0097	0.0000	OK
1440 minute summer	SW48	750	11.913	0.013	0.2	0.0000	0.0000	OK
1440 minute summer	SW49	690	11.913	0.012	0.2	0.0000	0.0000	OK
1440 minute summer	SW50	690	11.817	0.016	0.3	0.0025	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	SW26	6.002	SW28	1.0	0.532	0.166	0.0116	
1440 minute summer	SW27	7.000	SW26	0.2	0.217	0.011	0.0039	
1440 minute summer	SW28	6.003	SW30	1.4	0.566	0.079	0.0089	
1440 minute summer	SW29	8.000	SW28	0.4	0.433	0.066	0.0045	
1440 minute summer	SW30	6.004	SW31	1.4	0.590	0.079	0.0117	
1440 minute summer	SW31	Flow through Pond	SW32	0.8	0.001	0.000	22.5798	
1440 minute summer	SW32	6.005	SW33	0.1	0.314	0.023	0.0016	
1440 minute summer	SW33	6.006	SW35	0.3	0.364	0.015	0.0111	
1440 minute summer	SW34	9.000	SW33	0.1	0.390	0.015	0.0005	
1440 minute summer	SW35	6.007	SW36	0.3	0.365	0.015	0.0054	
1440 minute summer	SW36	6.008	SW37	0.3	0.294	0.015	0.0150	
1440 minute summer	SW37	6.009	SW23	0.5	0.323	0.028	0.0269	
1440 minute summer	SW38	10.000	SW37	0.2	0.451	0.026	0.0007	
1440 minute summer	SW39	11.000	SW23	0.1	0.381	0.014	0.0005	
1440 minute summer	SW40	Pump		1.7				119.6
1440 minute summer	SW41	12.000	SW40	0.1	0.393	0.016	0.0007	
1440 minute summer	SW42	13.000	SW43	0.4	0.554	0.047	0.0026	
1440 minute summer	SW43	13.001	SW44	0.4	0.431	0.066	0.0084	
1440 minute summer	SW44	13.002	SW45	0.4	0.369	0.066	0.0056	
1440 minute summer	SW45	13.003	SW46	0.6	0.503	0.099	0.0144	
1440 minute summer	SW46	13.004	SW47	0.7	0.624	0.087	0.0158	
1440 minute summer	SW47	17.000	SW55	1.5	0.612	0.248	0.0363	
1440 minute summer	SW48	14.000	SW47	0.2	0.355	0.033	0.0078	
1440 minute summer	SW49	15.000	SW50	0.2	0.298	0.033	0.0067	
1440 minute summer	SW50	15.001	SW51	0.3	0.436	0.050	0.0089	

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Results for 100 year +45% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.78%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	SW51	690	11.685	0.013	0.3	0.0021	0.0000	OK
1440 minute summer	SW52	750	11.221	0.021	0.6	0.0060	0.0000	OK
1440 minute summer	SW53	750	11.915	0.015	0.3	0.0000	0.0000	OK
1440 minute summer	SW54	750	11.286	0.015	0.3	0.0043	0.0000	OK
1440 minute summer	SW55	750	11.033	0.036	1.5	0.0025	0.0000	OK
1440 minute summer	SW56	1020	10.959	0.665	1.5	0.0000	0.0000	OK
1440 minute summer	SW57	1020	10.959	0.675	0.8	0.1912	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	SW51	15.002	SW52	0.3	0.364	0.036	0.0224	
1440 minute summer	SW52	15.003	SW47	0.6	0.337	0.099	0.0100	
1440 minute summer	SW53	16.000	SW54	0.3	0.397	0.050	0.0026	
1440 minute summer	SW54	16.001	SW52	0.3	0.308	0.050	0.0070	
1440 minute summer	SW55	17.001	SW56	1.5	0.621	0.248	0.0030	
1440 minute summer	SW56	Flow through Pond	SW57	0.8	0.001	0.000	22.9361	
1440 minute summer	SW57	17.002	SW40	0.1	0.570	0.023	0.0016	

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Results for 100 year +45% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.77%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	SW1	1410	13.445	0.555	3.0	89.7253	0.0000	FLOOD RISK
1440 minute winter	SW2	1410	12.594	0.012	0.2	0.0034	0.0000	OK
1440 minute winter	SW3	1410	12.455	0.011	0.2	0.0032	0.0000	OK
1440 minute winter	SW4	1350	12.244	0.015	0.4	0.0000	0.0000	OK
1440 minute winter	SW5	630	13.115	0.015	0.3	0.0000	0.0000	OK
1440 minute winter	SW6	630	13.047	0.015	0.3	0.0024	0.0000	OK
1440 minute winter	SW7	630	12.959	0.016	0.3	0.0011	0.0000	OK
1440 minute winter	SW8	1140	12.884	0.629	0.3	0.0000	0.0000	OK
1440 minute winter	SW9	1140	12.884	0.641	0.3	0.1814	0.0000	SURCHARGED
1440 minute winter	SW10	630	13.128	0.008	0.2	0.0000	0.0000	OK
1440 minute winter	SW11	1140	12.884	0.629	0.2	0.0000	0.0000	OK
1440 minute winter	SW12	1350	11.888	0.015	0.4	0.0042	0.0000	OK
1440 minute winter	SW13	1350	11.648	0.019	0.7	0.0165	0.0000	OK
1440 minute winter	SW14	1110	13.534	0.414	0.6	14.5265	0.0000	FLOOD RISK
1440 minute winter	SW15	1110	12.902	0.010	0.1	0.0029	0.0000	OK
1440 minute winter	SW16	1110	12.832	0.010	0.1	0.0029	0.0000	OK
1440 minute winter	SW17	1410	12.688	0.011	0.3	0.0094	0.0000	OK
1440 minute winter	SW18	1440	13.293	0.423	2.8	89.3867	0.0000	FLOOD RISK
1440 minute winter	SW19	1350	12.566	0.013	0.4	0.0038	0.0000	OK
1440 minute winter	SW20	1110	12.937	0.367	0.6	13.7016	0.0000	FLOOD RISK
1440 minute winter	SW21	1350	11.578	0.020	0.9	0.0056	0.0000	OK
1440 minute winter	SW22	1350	12.363	0.403	0.9	24.2914	0.0000	FLOOD RISK
1440 minute winter	SW23	1350	11.034	0.025	1.5	0.0072	0.0000	OK
1440 minute winter	SW24	750	12.861	0.021	0.6	0.0000	0.0000	OK
1440 minute winter	SW25	750	12.678	0.021	0.6	0.0060	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	SW1	1.000	SW2	0.2	0.342	0.012	0.0199	
1440 minute winter	SW2	1.001	SW3	0.2	0.357	0.012	0.0085	
1440 minute winter	SW3	1.002	SW4	0.2	0.306	0.011	0.0123	
1440 minute winter	SW4	1.008	SW12	0.4	0.399	0.020	0.0315	
1440 minute winter	SW5	1.003	SW6	0.3	0.399	0.050	0.0051	
1440 minute winter	SW6	1.004	SW7	0.3	0.387	0.050	0.0069	
1440 minute winter	SW7	1.005	SW8	0.3	0.385	0.050	0.0008	
1440 minute winter	SW8	Flow through Pond	SW9	0.3	0.010	0.000	10.8596	
1440 minute winter	SW9	1.007	SW4	0.1	0.239	0.022	0.0008	
1440 minute winter	SW10	1.006	SW11	0.2	0.638	0.014	0.0010	
1440 minute winter	SW11	Flow through Pond	SW9	0.3	0.010	0.000	10.8596	
1440 minute winter	SW12	1.009	SW13	0.4	0.326	0.020	0.0266	
1440 minute winter	SW13	1.010	SW21	0.7	0.448	0.014	0.0118	
1440 minute winter	SW14	2.000	SW15	0.1	0.312	0.022	0.0097	
1440 minute winter	SW15	2.001	SW16	0.1	0.312	0.022	0.0030	
1440 minute winter	SW16	2.002	SW17	0.1	0.303	0.022	0.0064	
1440 minute winter	SW17	2.003	SW19	0.3	0.400	0.010	0.0040	
1440 minute winter	SW18	3.000	SW17	0.1	0.365	0.005	0.0004	
1440 minute winter	SW19	2.004	SW13	0.4	0.517	0.015	0.0039	
1440 minute winter	SW20	4.000	SW19	0.1	0.246	0.021	0.0009	
1440 minute winter	SW21	1.011	SW23	0.9	0.420	0.016	0.1053	
1440 minute winter	SW22	5.000	SW21	0.1	0.197	0.013	0.0106	
1440 minute winter	SW23	6.010	SW40	1.5	0.618	0.026	0.0201	
1440 minute winter	SW24	6.000	SW25	0.6	0.492	0.099	0.0223	
1440 minute winter	SW25	6.001	SW26	0.6	0.465	0.099	0.0280	

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Results for 100 year +45% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.77%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	SW26	750	12.463	0.023	0.7	0.0000	0.0000	OK
1440 minute winter	SW27	540	12.805	0.005	0.1	0.0000	0.0000	OK
1440 minute winter	SW28	750	12.403	0.025	1.0	0.0220	0.0000	OK
1440 minute winter	SW29	750	12.845	0.015	0.3	0.0000	0.0000	OK
1440 minute winter	SW30	1140	12.371	0.029	1.0	0.0247	0.0000	OK
1440 minute winter	SW31	1170	12.369	0.711	1.0	0.0000	0.0000	OK
1440 minute winter	SW32	1170	12.369	0.715	0.7	0.2024	0.0000	SURCHARGED
1440 minute winter	SW33	1230	11.582	0.013	0.3	0.0113	0.0000	OK
1440 minute winter	SW34	1410	13.747	0.397	1.3	38.4093	0.0000	FLOOD RISK
1440 minute winter	SW35	1230	11.432	0.013	0.3	0.0037	0.0000	OK
1440 minute winter	SW36	1230	11.359	0.013	0.3	0.0037	0.0000	OK
1440 minute winter	SW37	1200	11.201	0.017	0.5	0.0149	0.0000	OK
1440 minute winter	SW38	1110	13.226	0.556	1.1	24.9956	0.0000	FLOOD RISK
1440 minute winter	SW39	1200	12.838	0.538	0.8	20.9890	0.0000	FLOOD RISK
1440 minute winter	SW40	1200	10.239	0.001	1.8	0.0008	0.0000	OK
1440 minute winter	SW41	1200	12.642	0.422	0.8	20.5306	0.0000	FLOOD RISK
1440 minute winter	SW42	750	12.833	0.013	0.3	0.0000	0.0000	OK
1440 minute winter	SW43	750	12.315	0.015	0.3	0.0043	0.0000	OK
1440 minute winter	SW44	750	12.225	0.015	0.3	0.0043	0.0000	OK
1440 minute winter	SW45	750	12.177	0.018	0.4	0.0050	0.0000	OK
1440 minute winter	SW46	750	12.055	0.017	0.5	0.0049	0.0000	OK
1440 minute winter	SW47	750	11.173	0.028	1.0	0.0079	0.0000	OK
1440 minute winter	SW48	540	11.909	0.009	0.1	0.0000	0.0000	OK
1440 minute winter	SW49	480	11.909	0.009	0.1	0.0000	0.0000	OK
1440 minute winter	SW50	630	11.814	0.013	0.2	0.0021	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	SW26	6.002	SW28	0.7	0.479	0.116	0.0090	
1440 minute winter	SW27	7.000	SW26	0.1	0.204	0.005	0.0029	
1440 minute winter	SW28	6.003	SW30	1.0	0.517	0.056	0.0069	
1440 minute winter	SW29	8.000	SW28	0.3	0.399	0.050	0.0037	
1440 minute winter	SW30	6.004	SW31	1.0	0.535	0.056	0.0183	
1440 minute winter	SW31	Flow through Pond	SW32	0.7	0.001	0.000	23.0399	
1440 minute winter	SW32	6.005	SW33	0.1	0.315	0.024	0.0016	
1440 minute winter	SW33	6.006	SW35	0.3	0.365	0.015	0.0111	
1440 minute winter	SW34	9.000	SW33	0.1	0.390	0.015	0.0005	
1440 minute winter	SW35	6.007	SW36	0.3	0.365	0.015	0.0054	
1440 minute winter	SW36	6.008	SW37	0.3	0.294	0.015	0.0150	
1440 minute winter	SW37	6.009	SW23	0.5	0.323	0.028	0.0270	
1440 minute winter	SW38	10.000	SW37	0.2	0.450	0.026	0.0007	
1440 minute winter	SW39	11.000	SW23	0.1	0.381	0.014	0.0005	
1440 minute winter	SW40	Pump		1.8				120.5
1440 minute winter	SW41	12.000	SW40	0.1	0.394	0.016	0.0007	
1440 minute winter	SW42	13.000	SW43	0.3	0.509	0.035	0.0021	
1440 minute winter	SW43	13.001	SW44	0.3	0.397	0.050	0.0068	
1440 minute winter	SW44	13.002	SW45	0.3	0.357	0.050	0.0043	
1440 minute winter	SW45	13.003	SW46	0.4	0.439	0.066	0.0110	
1440 minute winter	SW46	13.004	SW47	0.5	0.565	0.062	0.0124	
1440 minute winter	SW47	17.000	SW55	1.0	0.550	0.166	0.0270	
1440 minute winter	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
1440 minute winter	SW49	15.000	SW50	0.1	0.282	0.017	0.0046	
1440 minute winter	SW50	15.001	SW51	0.2	0.386	0.033	0.0067	

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Results for 100 year +45% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.77%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	SW51	630	11.683	0.011	0.2	0.0017	0.0000	OK
1440 minute winter	SW52	660	11.218	0.018	0.4	0.0050	0.0000	OK
1440 minute winter	SW53	660	11.913	0.013	0.2	0.0000	0.0000	OK
1440 minute winter	SW54	660	11.284	0.013	0.2	0.0035	0.0000	OK
1440 minute winter	SW55	750	11.026	0.029	1.0	0.0020	0.0000	OK
1440 minute winter	SW56	1110	10.954	0.660	1.0	0.0000	0.0000	OK
1440 minute winter	SW57	1110	10.954	0.670	0.6	0.1897	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	SW51	15.002	SW52	0.2	0.336	0.024	0.0168	
1440 minute winter	SW52	15.003	SW47	0.4	0.316	0.066	0.0075	
1440 minute winter	SW53	16.000	SW54	0.2	0.352	0.033	0.0019	
1440 minute winter	SW54	16.001	SW52	0.2	0.287	0.033	0.0053	
1440 minute winter	SW55	17.001	SW56	1.0	0.557	0.166	0.0023	
1440 minute winter	SW56	Flow through Pond	SW57	0.6	0.001	0.000	22.7578	
1440 minute winter	SW57	17.002	SW40	0.1	0.567	0.023	0.0016	

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Results for 100 year +45% CC 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.86%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	SW1	2160	13.448	0.558	3.1	90.2852	0.0000	FLOOD RISK
2160 minute summer	SW2	2160	12.594	0.012	0.2	0.0034	0.0000	OK
2160 minute summer	SW3	2160	12.455	0.011	0.2	0.0032	0.0000	OK
2160 minute summer	SW4	1620	12.244	0.015	0.3	0.0000	0.0000	OK
2160 minute summer	SW5	1080	13.115	0.015	0.3	0.0000	0.0000	OK
2160 minute summer	SW6	1080	13.047	0.015	0.3	0.0024	0.0000	OK
2160 minute summer	SW7	1080	12.959	0.016	0.3	0.0011	0.0000	OK
2160 minute summer	SW8	1500	12.826	0.571	0.3	0.0000	0.0000	OK
2160 minute summer	SW9	1500	12.826	0.583	0.3	0.1651	0.0000	SURCHARGED
2160 minute summer	SW10	1080	13.128	0.008	0.2	0.0000	0.0000	OK
2160 minute summer	SW11	1500	12.826	0.571	0.2	0.0000	0.0000	OK
2160 minute summer	SW12	1620	11.888	0.015	0.3	0.0041	0.0000	OK
2160 minute summer	SW13	1620	11.648	0.019	0.7	0.0164	0.0000	OK
2160 minute summer	SW14	1500	13.539	0.419	0.7	14.6827	0.0000	FLOOD RISK
2160 minute summer	SW15	1500	12.902	0.010	0.1	0.0029	0.0000	OK
2160 minute summer	SW16	1500	12.832	0.010	0.1	0.0029	0.0000	OK
2160 minute summer	SW17	1860	12.688	0.011	0.3	0.0094	0.0000	OK
2160 minute summer	SW18	2220	13.306	0.436	2.9	92.3272	0.0000	FLOOD RISK
2160 minute summer	SW19	1560	12.566	0.013	0.4	0.0038	0.0000	OK
2160 minute summer	SW20	1500	12.950	0.380	0.6	14.2059	0.0000	FLOOD RISK
2160 minute summer	SW21	1620	11.578	0.020	0.9	0.0056	0.0000	OK
2160 minute summer	SW22	1620	12.332	0.372	0.9	22.3555	0.0000	FLOOD RISK
2160 minute summer	SW23	1620	11.034	0.025	1.5	0.0071	0.0000	OK
2160 minute summer	SW24	1140	12.861	0.021	0.6	0.0000	0.0000	OK
2160 minute summer	SW25	1140	12.678	0.021	0.6	0.0060	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	SW1	1.000	SW2	0.2	0.342	0.013	0.0200	
2160 minute summer	SW2	1.001	SW3	0.2	0.357	0.013	0.0086	
2160 minute summer	SW3	1.002	SW4	0.2	0.315	0.011	0.0121	
2160 minute summer	SW4	1.008	SW12	0.3	0.396	0.019	0.0310	
2160 minute summer	SW5	1.003	SW6	0.3	0.399	0.050	0.0051	
2160 minute summer	SW6	1.004	SW7	0.3	0.387	0.050	0.0069	
2160 minute summer	SW7	1.005	SW8	0.3	0.385	0.050	0.0008	
2160 minute summer	SW8	Flow through Pond	SW9	0.3	0.002	0.000	9.8729	
2160 minute summer	SW9	1.007	SW4	0.1	0.233	0.021	0.0008	
2160 minute summer	SW10	1.006	SW11	0.2	0.638	0.014	0.0010	
2160 minute summer	SW11	Flow through Pond	SW9	0.3	0.002	0.000	9.8729	
2160 minute summer	SW12	1.009	SW13	0.3	0.322	0.019	0.0263	
2160 minute summer	SW13	1.010	SW21	0.7	0.447	0.014	0.0117	
2160 minute summer	SW14	2.000	SW15	0.1	0.313	0.022	0.0097	
2160 minute summer	SW15	2.001	SW16	0.1	0.313	0.022	0.0030	
2160 minute summer	SW16	2.002	SW17	0.1	0.304	0.022	0.0064	
2160 minute summer	SW17	2.003	SW19	0.3	0.400	0.010	0.0040	
2160 minute summer	SW18	3.000	SW17	0.1	0.367	0.005	0.0004	
2160 minute summer	SW19	2.004	SW13	0.4	0.519	0.015	0.0039	
2160 minute summer	SW20	4.000	SW19	0.1	0.248	0.021	0.0009	
2160 minute summer	SW21	1.011	SW23	0.9	0.418	0.016	0.1044	
2160 minute summer	SW22	5.000	SW21	0.1	0.192	0.013	0.0105	
2160 minute summer	SW23	6.010	SW40	1.5	0.616	0.025	0.0200	
2160 minute summer	SW24	6.000	SW25	0.6	0.492	0.099	0.0223	
2160 minute summer	SW25	6.001	SW26	0.6	0.465	0.099	0.0280	

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Results for 100 year +45% CC 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.86%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	SW26	1140	12.463	0.023	0.7	0.0000	0.0000	OK
2160 minute summer	SW27	960	12.805	0.005	0.1	0.0000	0.0000	OK
2160 minute summer	SW28	1140	12.403	0.025	1.0	0.0220	0.0000	OK
2160 minute summer	SW29	1140	12.845	0.015	0.3	0.0000	0.0000	OK
2160 minute summer	SW30	1140	12.367	0.025	1.0	0.0215	0.0000	OK
2160 minute summer	SW31	1560	12.350	0.692	1.0	0.0000	0.0000	OK
2160 minute summer	SW32	1560	12.350	0.696	0.7	0.1969	0.0000	SURCHARGED
2160 minute summer	SW33	1860	11.582	0.013	0.3	0.0112	0.0000	OK
2160 minute summer	SW34	1920	13.747	0.397	1.4	38.4104	0.0000	FLOOD RISK
2160 minute summer	SW35	1860	11.432	0.013	0.3	0.0037	0.0000	OK
2160 minute summer	SW36	1860	11.359	0.013	0.3	0.0037	0.0000	OK
2160 minute summer	SW37	1560	11.201	0.017	0.5	0.0148	0.0000	OK
2160 minute summer	SW38	1500	13.215	0.545	1.1	24.5266	0.0000	FLOOD RISK
2160 minute summer	SW39	1560	12.824	0.524	0.8	20.4377	0.0000	FLOOD RISK
2160 minute summer	SW40	1560	10.239	0.001	1.7	0.0008	0.0000	OK
2160 minute summer	SW41	1560	12.629	0.409	0.8	19.9258	0.0000	FLOOD RISK
2160 minute summer	SW42	1140	12.833	0.013	0.3	0.0000	0.0000	OK
2160 minute summer	SW43	1140	12.315	0.015	0.3	0.0044	0.0000	OK
2160 minute summer	SW44	1140	12.225	0.015	0.3	0.0043	0.0000	OK
2160 minute summer	SW45	1140	12.179	0.020	0.5	0.0056	0.0000	OK
2160 minute summer	SW46	1140	12.057	0.019	0.6	0.0053	0.0000	OK
2160 minute summer	SW47	1140	11.176	0.031	1.2	0.0086	0.0000	OK
2160 minute summer	SW48	960	11.909	0.009	0.1	0.0000	0.0000	OK
2160 minute summer	SW49	1140	11.913	0.012	0.2	0.0000	0.0000	OK
2160 minute summer	SW50	1140	11.817	0.016	0.3	0.0025	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	SW26	6.002	SW28	0.7	0.479	0.116	0.0090	
2160 minute summer	SW27	7.000	SW26	0.1	0.204	0.005	0.0029	
2160 minute summer	SW28	6.003	SW30	1.0	0.517	0.056	0.0069	
2160 minute summer	SW29	8.000	SW28	0.3	0.399	0.050	0.0037	
2160 minute summer	SW30	6.004	SW31	1.0	0.535	0.056	0.0094	
2160 minute summer	SW31	Flow through Pond	SW32	0.7	0.000	0.000	22.4092	
2160 minute summer	SW32	6.005	SW33	0.1	0.313	0.023	0.0016	
2160 minute summer	SW33	6.006	SW35	0.3	0.363	0.015	0.0110	
2160 minute summer	SW34	9.000	SW33	0.1	0.390	0.015	0.0005	
2160 minute summer	SW35	6.007	SW36	0.3	0.364	0.015	0.0054	
2160 minute summer	SW36	6.008	SW37	0.3	0.295	0.015	0.0149	
2160 minute summer	SW37	6.009	SW23	0.5	0.322	0.027	0.0268	
2160 minute summer	SW38	10.000	SW37	0.2	0.449	0.026	0.0007	
2160 minute summer	SW39	11.000	SW23	0.1	0.380	0.014	0.0004	
2160 minute summer	SW40	Pump		1.7				164.5
2160 minute summer	SW41	12.000	SW40	0.1	0.392	0.015	0.0007	
2160 minute summer	SW42	13.000	SW43	0.3	0.509	0.035	0.0021	
2160 minute summer	SW43	13.001	SW44	0.3	0.398	0.050	0.0068	
2160 minute summer	SW44	13.002	SW45	0.3	0.327	0.050	0.0047	
2160 minute summer	SW45	13.003	SW46	0.5	0.474	0.083	0.0128	
2160 minute summer	SW46	13.004	SW47	0.6	0.596	0.075	0.0141	
2160 minute summer	SW47	17.000	SW55	1.2	0.577	0.199	0.0308	
2160 minute summer	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
2160 minute summer	SW49	15.000	SW50	0.2	0.298	0.033	0.0067	
2160 minute summer	SW50	15.001	SW51	0.3	0.436	0.050	0.0089	

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Results for 100 year +45% CC 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.86%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	SW51	1140	11.685	0.013	0.3	0.0021	0.0000	OK
2160 minute summer	SW52	1140	11.220	0.020	0.5	0.0055	0.0000	OK
2160 minute summer	SW53	1140	11.913	0.013	0.2	0.0000	0.0000	OK
2160 minute summer	SW54	1140	11.284	0.013	0.2	0.0035	0.0000	OK
2160 minute summer	SW55	1140	11.029	0.032	1.2	0.0023	0.0000	OK
2160 minute summer	SW56	1440	10.938	0.644	1.2	0.0000	0.0000	OK
2160 minute summer	SW57	1440	10.938	0.654	0.7	0.1852	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	SW51	15.002	SW52	0.3	0.364	0.036	0.0206	
2160 minute summer	SW52	15.003	SW47	0.5	0.327	0.083	0.0086	
2160 minute summer	SW53	16.000	SW54	0.2	0.352	0.033	0.0019	
2160 minute summer	SW54	16.001	SW52	0.2	0.248	0.033	0.0058	
2160 minute summer	SW55	17.001	SW56	1.2	0.585	0.199	0.0026	
2160 minute summer	SW56	Flow through Pond	SW57	0.7	0.004	0.000	22.2150	
2160 minute summer	SW57	17.002	SW40	0.1	0.543	0.022	0.0016	

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Results for 100 year +45% CC 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	SW1	2100	13.456	0.566	2.1	91.5887	0.0000	FLOOD RISK
2160 minute winter	SW2	2100	12.594	0.012	0.2	0.0034	0.0000	OK
2160 minute winter	SW3	2100	12.455	0.011	0.2	0.0032	0.0000	OK
2160 minute winter	SW4	1680	12.244	0.015	0.3	0.0000	0.0000	OK
2160 minute winter	SW5	900	13.113	0.013	0.2	0.0000	0.0000	OK
2160 minute winter	SW6	900	13.045	0.013	0.2	0.0020	0.0000	OK
2160 minute winter	SW7	900	12.956	0.013	0.2	0.0009	0.0000	OK
2160 minute winter	SW8	1620	12.821	0.566	0.2	0.0000	0.0000	OK
2160 minute winter	SW9	1620	12.821	0.578	0.3	0.1635	0.0000	SURCHARGED
2160 minute winter	SW10	1140	13.128	0.008	0.2	0.0000	0.0000	OK
2160 minute winter	SW11	1620	12.821	0.566	0.2	0.0000	0.0000	OK
2160 minute winter	SW12	1680	11.888	0.015	0.3	0.0041	0.0000	OK
2160 minute winter	SW13	1680	11.648	0.019	0.7	0.0164	0.0000	OK
2160 minute winter	SW14	1620	13.512	0.392	0.4	13.7245	0.0000	FLOOD RISK
2160 minute winter	SW15	1620	12.902	0.010	0.1	0.0029	0.0000	OK
2160 minute winter	SW16	1620	12.832	0.010	0.1	0.0029	0.0000	OK
2160 minute winter	SW17	2040	12.688	0.011	0.3	0.0094	0.0000	OK
2160 minute winter	SW18	2160	13.319	0.449	2.0	94.9770	0.0000	FLOOD RISK
2160 minute winter	SW19	1740	12.566	0.013	0.4	0.0038	0.0000	OK
2160 minute winter	SW20	1560	12.929	0.359	0.4	13.3921	0.0000	FLOOD RISK
2160 minute winter	SW21	1680	11.578	0.020	0.9	0.0056	0.0000	OK
2160 minute winter	SW22	1680	12.328	0.368	0.6	22.1294	0.0000	FLOOD RISK
2160 minute winter	SW23	1680	11.034	0.025	1.5	0.0071	0.0000	OK
2160 minute winter	SW24	1080	12.858	0.018	0.4	0.0000	0.0000	OK
2160 minute winter	SW25	1080	12.674	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	SW1	1.000	SW2	0.2	0.343	0.013	0.0201	
2160 minute winter	SW2	1.001	SW3	0.2	0.358	0.013	0.0086	
2160 minute winter	SW3	1.002	SW4	0.2	0.315	0.011	0.0121	
2160 minute winter	SW4	1.008	SW12	0.3	0.396	0.019	0.0311	
2160 minute winter	SW5	1.003	SW6	0.2	0.354	0.033	0.0038	
2160 minute winter	SW6	1.004	SW7	0.2	0.345	0.033	0.0051	
2160 minute winter	SW7	1.005	SW8	0.2	0.343	0.033	0.0006	
2160 minute winter	SW8	Flow through Pond	SW9	0.3	0.002	0.000	9.7745	
2160 minute winter	SW9	1.007	SW4	0.1	0.232	0.021	0.0008	
2160 minute winter	SW10	1.006	SW11	0.2	0.638	0.014	0.0010	
2160 minute winter	SW11	Flow through Pond	SW9	0.3	0.002	0.000	9.7745	
2160 minute winter	SW12	1.009	SW13	0.3	0.323	0.019	0.0263	
2160 minute winter	SW13	1.010	SW21	0.7	0.446	0.014	0.0116	
2160 minute winter	SW14	2.000	SW15	0.1	0.309	0.021	0.0095	
2160 minute winter	SW15	2.001	SW16	0.1	0.310	0.021	0.0029	
2160 minute winter	SW16	2.002	SW17	0.1	0.297	0.021	0.0063	
2160 minute winter	SW17	2.003	SW19	0.3	0.401	0.010	0.0040	
2160 minute winter	SW18	3.000	SW17	0.1	0.368	0.005	0.0004	
2160 minute winter	SW19	2.004	SW13	0.4	0.516	0.015	0.0039	
2160 minute winter	SW20	4.000	SW19	0.1	0.245	0.020	0.0009	
2160 minute winter	SW21	1.011	SW23	0.9	0.417	0.016	0.1043	
2160 minute winter	SW22	5.000	SW21	0.1	0.192	0.013	0.0104	
2160 minute winter	SW23	6.010	SW40	1.5	0.617	0.025	0.0200	
2160 minute winter	SW24	6.000	SW25	0.4	0.437	0.066	0.0168	
2160 minute winter	SW25	6.001	SW26	0.4	0.403	0.066	0.0216	

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Results for 100 year +45% CC 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	SW26	1080	12.459	0.019	0.5	0.0000	0.0000	OK
2160 minute winter	SW27	900	12.805	0.005	0.1	0.0000	0.0000	OK
2160 minute winter	SW28	1080	12.399	0.021	0.7	0.0183	0.0000	OK
2160 minute winter	SW29	1020	12.843	0.013	0.2	0.0000	0.0000	OK
2160 minute winter	SW30	1620	12.389	0.047	0.7	0.0409	0.0000	OK
2160 minute winter	SW31	1680	12.389	0.731	0.7	0.0000	0.0000	OK
2160 minute winter	SW32	1680	12.389	0.735	0.4	0.2079	0.0000	SURCHARGED
2160 minute winter	SW33	1680	11.582	0.013	0.3	0.0113	0.0000	OK
2160 minute winter	SW34	2100	13.761	0.411	1.0	39.7601	0.0000	FLOOD RISK
2160 minute winter	SW35	1680	11.432	0.013	0.3	0.0037	0.0000	OK
2160 minute winter	SW36	1680	11.359	0.013	0.3	0.0037	0.0000	OK
2160 minute winter	SW37	1680	11.201	0.017	0.5	0.0149	0.0000	OK
2160 minute winter	SW38	1620	13.214	0.544	0.8	24.4807	0.0000	FLOOD RISK
2160 minute winter	SW39	1680	12.817	0.517	0.6	20.1503	0.0000	FLOOD RISK
2160 minute winter	SW40	1680	10.239	0.001	1.7	0.0008	0.0000	OK
2160 minute winter	SW41	1680	12.622	0.402	0.6	19.5661	0.0000	FLOOD RISK
2160 minute winter	SW42	1020	12.831	0.011	0.2	0.0000	0.0000	OK
2160 minute winter	SW43	1020	12.313	0.013	0.2	0.0036	0.0000	OK
2160 minute winter	SW44	1020	12.223	0.013	0.2	0.0035	0.0000	OK
2160 minute winter	SW45	1020	12.175	0.016	0.3	0.0044	0.0000	OK
2160 minute winter	SW46	1140	12.053	0.015	0.4	0.0043	0.0000	OK
2160 minute winter	SW47	1140	11.170	0.025	0.8	0.0070	0.0000	OK
2160 minute winter	SW48	900	11.909	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	SW49	840	11.909	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	SW50	1140	11.814	0.013	0.2	0.0021	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	SW26	6.002	SW28	0.5	0.439	0.083	0.0070	
2160 minute winter	SW27	7.000	SW26	0.1	0.204	0.005	0.0024	
2160 minute winter	SW28	6.003	SW30	0.7	0.470	0.039	0.0096	
2160 minute winter	SW29	8.000	SW28	0.2	0.353	0.033	0.0028	
2160 minute winter	SW30	6.004	SW31	0.7	0.483	0.039	0.0286	
2160 minute winter	SW31	Flow through Pond	SW32	0.4	0.001	0.000	23.6670	
2160 minute winter	SW32	6.005	SW33	0.1	0.316	0.024	0.0016	
2160 minute winter	SW33	6.006	SW35	0.3	0.366	0.015	0.0112	
2160 minute winter	SW34	9.000	SW33	0.1	0.391	0.015	0.0005	
2160 minute winter	SW35	6.007	SW36	0.3	0.367	0.015	0.0055	
2160 minute winter	SW36	6.008	SW37	0.3	0.298	0.015	0.0150	
2160 minute winter	SW37	6.009	SW23	0.5	0.324	0.028	0.0269	
2160 minute winter	SW38	10.000	SW37	0.2	0.449	0.026	0.0007	
2160 minute winter	SW39	11.000	SW23	0.1	0.379	0.014	0.0004	
2160 minute winter	SW40	Pump		1.7				165.4
2160 minute winter	SW41	12.000	SW40	0.1	0.391	0.015	0.0007	
2160 minute winter	SW42	13.000	SW43	0.2	0.451	0.023	0.0016	
2160 minute winter	SW43	13.001	SW44	0.2	0.353	0.033	0.0051	
2160 minute winter	SW44	13.002	SW45	0.2	0.304	0.033	0.0035	
2160 minute winter	SW45	13.003	SW46	0.3	0.429	0.050	0.0091	
2160 minute winter	SW46	13.004	SW47	0.4	0.530	0.050	0.0106	
2160 minute winter	SW47	17.000	SW55	0.8	0.518	0.133	0.0229	
2160 minute winter	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
2160 minute winter	SW49	15.000	SW50	0.1	0.282	0.017	0.0046	
2160 minute winter	SW50	15.001	SW51	0.2	0.386	0.033	0.0067	

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Results for 100 year +45% CC 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	SW51	1140	11.683	0.011	0.2	0.0017	0.0000	OK
2160 minute winter	SW52	1140	11.215	0.015	0.3	0.0043	0.0000	OK
2160 minute winter	SW53	780	11.909	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	SW54	780	11.280	0.009	0.1	0.0026	0.0000	OK
2160 minute winter	SW55	1140	11.023	0.026	0.8	0.0018	0.0000	OK
2160 minute winter	SW56	1560	10.922	0.628	0.8	0.0000	0.0000	OK
2160 minute winter	SW57	1560	10.922	0.638	0.5	0.1806	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	SW51	15.002	SW52	0.2	0.337	0.024	0.0148	
2160 minute winter	SW52	15.003	SW47	0.3	0.271	0.050	0.0063	
2160 minute winter	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
2160 minute winter	SW54	16.001	SW52	0.1	0.286	0.017	0.0039	
2160 minute winter	SW55	17.001	SW56	0.8	0.523	0.133	0.0019	
2160 minute winter	SW56	Flow through Pond	SW57	0.5	0.004	0.000	21.6547	
2160 minute winter	SW57	17.002	SW40	0.1	0.549	0.022	0.0016	

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Results for 100 year +45% CC 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	SW1	2640	13.444	0.554	2.5	89.7112	0.0000	FLOOD RISK
2880 minute summer	SW2	2640	12.594	0.012	0.2	0.0034	0.0000	OK
2880 minute summer	SW3	2640	12.455	0.011	0.2	0.0032	0.0000	OK
2880 minute summer	SW4	2040	12.244	0.015	0.3	0.0000	0.0000	OK
2880 minute summer	SW5	1500	13.115	0.015	0.3	0.0000	0.0000	OK
2880 minute summer	SW6	1500	13.047	0.015	0.3	0.0024	0.0000	OK
2880 minute summer	SW7	1500	12.959	0.016	0.3	0.0011	0.0000	OK
2880 minute summer	SW8	1920	12.828	0.573	0.3	0.0000	0.0000	OK
2880 minute summer	SW9	1920	12.828	0.585	0.3	0.1655	0.0000	SURCHARGED
2880 minute summer	SW10	1440	13.128	0.008	0.2	0.0000	0.0000	OK
2880 minute summer	SW11	1920	12.828	0.573	0.2	0.0000	0.0000	OK
2880 minute summer	SW12	2040	11.888	0.015	0.3	0.0041	0.0000	OK
2880 minute summer	SW13	2040	11.648	0.019	0.7	0.0163	0.0000	OK
2880 minute summer	SW14	1920	13.511	0.391	0.5	13.6792	0.0000	FLOOD RISK
2880 minute summer	SW15	1920	12.902	0.010	0.1	0.0029	0.0000	OK
2880 minute summer	SW16	1920	12.832	0.010	0.1	0.0029	0.0000	OK
2880 minute summer	SW17	2220	12.688	0.011	0.3	0.0094	0.0000	OK
2880 minute summer	SW18	2880	13.316	0.446	2.4	94.4271	0.0000	FLOOD RISK
2880 minute summer	SW19	2040	12.566	0.013	0.4	0.0037	0.0000	OK
2880 minute summer	SW20	1860	12.904	0.334	0.5	12.4680	0.0000	FLOOD RISK
2880 minute summer	SW21	2040	11.578	0.020	0.8	0.0056	0.0000	OK
2880 minute summer	SW22	2040	12.334	0.374	0.8	22.4804	0.0000	FLOOD RISK
2880 minute summer	SW23	2040	11.034	0.025	1.4	0.0071	0.0000	OK
2880 minute summer	SW24	1500	12.860	0.020	0.5	0.0000	0.0000	OK
2880 minute summer	SW25	1500	12.676	0.019	0.5	0.0055	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	SW1	1.000	SW2	0.2	0.342	0.012	0.0199	
2880 minute summer	SW2	1.001	SW3	0.2	0.357	0.012	0.0085	
2880 minute summer	SW3	1.002	SW4	0.2	0.319	0.011	0.0121	
2880 minute summer	SW4	1.008	SW12	0.3	0.396	0.019	0.0310	
2880 minute summer	SW5	1.003	SW6	0.3	0.399	0.050	0.0051	
2880 minute summer	SW6	1.004	SW7	0.3	0.387	0.050	0.0069	
2880 minute summer	SW7	1.005	SW8	0.3	0.385	0.050	0.0008	
2880 minute summer	SW8	Flow through Pond	SW9	0.3	0.002	0.000	9.8944	
2880 minute summer	SW9	1.007	SW4	0.1	0.233	0.021	0.0008	
2880 minute summer	SW10	1.006	SW11	0.2	0.638	0.014	0.0010	
2880 minute summer	SW11	Flow through Pond	SW9	0.3	0.002	0.000	9.8944	
2880 minute summer	SW12	1.009	SW13	0.3	0.324	0.019	0.0261	
2880 minute summer	SW13	1.010	SW21	0.7	0.445	0.014	0.0116	
2880 minute summer	SW14	2.000	SW15	0.1	0.309	0.021	0.0095	
2880 minute summer	SW15	2.001	SW16	0.1	0.309	0.021	0.0029	
2880 minute summer	SW16	2.002	SW17	0.1	0.298	0.021	0.0063	
2880 minute summer	SW17	2.003	SW19	0.3	0.402	0.010	0.0039	
2880 minute summer	SW18	3.000	SW17	0.1	0.368	0.005	0.0004	
2880 minute summer	SW19	2.004	SW13	0.4	0.514	0.015	0.0038	
2880 minute summer	SW20	4.000	SW19	0.1	0.241	0.020	0.0009	
2880 minute summer	SW21	1.011	SW23	0.8	0.417	0.016	0.1035	
2880 minute summer	SW22	5.000	SW21	0.1	0.195	0.013	0.0104	
2880 minute summer	SW23	6.010	SW40	1.4	0.614	0.025	0.0198	
2880 minute summer	SW24	6.000	SW25	0.5	0.466	0.083	0.0196	
2880 minute summer	SW25	6.001	SW26	0.5	0.436	0.083	0.0249	

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Results for 100 year +45% CC 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	SW26	1500	12.461	0.021	0.6	0.0000	0.0000	OK
2880 minute summer	SW27	1320	12.805	0.005	0.1	0.0000	0.0000	OK
2880 minute summer	SW28	1500	12.401	0.023	0.8	0.0196	0.0000	OK
2880 minute summer	SW29	1380	12.843	0.013	0.2	0.0000	0.0000	OK
2880 minute summer	SW30	1500	12.364	0.022	0.8	0.0192	0.0000	OK
2880 minute summer	SW31	1980	12.342	0.684	0.8	0.0000	0.0000	OK
2880 minute summer	SW32	1980	12.342	0.688	0.5	0.1947	0.0000	SURCHARGED
2880 minute summer	SW33	2220	11.582	0.013	0.3	0.0112	0.0000	OK
2880 minute summer	SW34	2280	13.732	0.382	1.1	36.8877	0.0000	FLOOD RISK
2880 minute summer	SW35	2220	11.432	0.013	0.3	0.0037	0.0000	OK
2880 minute summer	SW36	2220	11.359	0.013	0.3	0.0036	0.0000	OK
2880 minute summer	SW37	1980	11.201	0.017	0.5	0.0147	0.0000	OK
2880 minute summer	SW38	1920	13.183	0.513	0.9	23.0349	0.0000	FLOOD RISK
2880 minute summer	SW39	1980	12.844	0.544	0.7	21.2252	0.0000	FLOOD RISK
2880 minute summer	SW40	1980	10.239	0.001	1.7	0.0007	0.0000	OK
2880 minute summer	SW41	1980	12.643	0.423	0.7	20.5866	0.0000	FLOOD RISK
2880 minute summer	SW42	1380	12.831	0.011	0.2	0.0000	0.0000	OK
2880 minute summer	SW43	1380	12.313	0.013	0.2	0.0036	0.0000	OK
2880 minute summer	SW44	1380	12.223	0.013	0.2	0.0035	0.0000	OK
2880 minute summer	SW45	1620	12.175	0.016	0.3	0.0044	0.0000	OK
2880 minute summer	SW46	1440	12.053	0.015	0.4	0.0043	0.0000	OK
2880 minute summer	SW47	1500	11.171	0.026	0.9	0.0074	0.0000	OK
2880 minute summer	SW48	1320	11.909	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	SW49	1260	11.909	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	SW50	1440	11.814	0.013	0.2	0.0021	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	SW26	6.002	SW28	0.6	0.470	0.099	0.0079	
2880 minute summer	SW27	7.000	SW26	0.1	0.204	0.005	0.0027	
2880 minute summer	SW28	6.003	SW30	0.8	0.487	0.045	0.0059	
2880 minute summer	SW29	8.000	SW28	0.2	0.353	0.033	0.0028	
2880 minute summer	SW30	6.004	SW31	0.8	0.502	0.045	0.0074	
2880 minute summer	SW31	Flow through Pond	SW32	0.5	0.001	0.000	22.1604	
2880 minute summer	SW32	6.005	SW33	0.1	0.313	0.023	0.0016	
2880 minute summer	SW33	6.006	SW35	0.3	0.362	0.015	0.0109	
2880 minute summer	SW34	9.000	SW33	0.1	0.387	0.015	0.0005	
2880 minute summer	SW35	6.007	SW36	0.3	0.363	0.015	0.0053	
2880 minute summer	SW36	6.008	SW37	0.3	0.295	0.015	0.0147	
2880 minute summer	SW37	6.009	SW23	0.5	0.319	0.027	0.0265	
2880 minute summer	SW38	10.000	SW37	0.2	0.445	0.025	0.0007	
2880 minute summer	SW39	11.000	SW23	0.1	0.382	0.014	0.0005	
2880 minute summer	SW40	Pump		1.7				207.7
2880 minute summer	SW41	12.000	SW40	0.1	0.394	0.016	0.0007	
2880 minute summer	SW42	13.000	SW43	0.2	0.451	0.023	0.0016	
2880 minute summer	SW43	13.001	SW44	0.2	0.353	0.033	0.0051	
2880 minute summer	SW44	13.002	SW45	0.2	0.304	0.033	0.0035	
2880 minute summer	SW45	13.003	SW46	0.3	0.429	0.050	0.0091	
2880 minute summer	SW46	13.004	SW47	0.4	0.530	0.050	0.0106	
2880 minute summer	SW47	17.000	SW55	0.9	0.534	0.149	0.0250	
2880 minute summer	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
2880 minute summer	SW49	15.000	SW50	0.1	0.282	0.017	0.0046	
2880 minute summer	SW50	15.001	SW51	0.2	0.386	0.033	0.0067	

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Results for 100 year +45% CC 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	SW51	1440	11.683	0.011	0.2	0.0017	0.0000	OK
2880 minute summer	SW52	1500	11.218	0.018	0.4	0.0050	0.0000	OK
2880 minute summer	SW53	1500	11.913	0.013	0.2	0.0000	0.0000	OK
2880 minute summer	SW54	1500	11.284	0.013	0.2	0.0035	0.0000	OK
2880 minute summer	SW55	1500	11.024	0.027	0.9	0.0019	0.0000	OK
2880 minute summer	SW56	1860	10.902	0.608	0.9	0.0000	0.0000	OK
2880 minute summer	SW57	1860	10.902	0.618	0.5	0.1749	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	SW51	15.002	SW52	0.2	0.336	0.024	0.0168	
2880 minute summer	SW52	15.003	SW47	0.4	0.316	0.066	0.0071	
2880 minute summer	SW53	16.000	SW54	0.2	0.352	0.033	0.0019	
2880 minute summer	SW54	16.001	SW52	0.2	0.286	0.033	0.0053	
2880 minute summer	SW55	17.001	SW56	0.9	0.541	0.149	0.0021	
2880 minute summer	SW56	Flow through Pond	SW57	0.5	0.004	0.000	20.9740	
2880 minute summer	SW57	17.002	SW40	0.1	0.543	0.022	0.0016	

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Results for 100 year +45% CC 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	SW1	2760	13.454	0.564	1.7	91.2003	0.0000	FLOOD RISK
2880 minute winter	SW2	2760	12.594	0.012	0.2	0.0034	0.0000	OK
2880 minute winter	SW3	2760	12.455	0.011	0.2	0.0032	0.0000	OK
2880 minute winter	SW4	2160	12.244	0.015	0.3	0.0000	0.0000	OK
2880 minute winter	SW5	1320	13.113	0.013	0.2	0.0000	0.0000	OK
2880 minute winter	SW6	1320	13.045	0.013	0.2	0.0020	0.0000	OK
2880 minute winter	SW7	1320	12.956	0.013	0.2	0.0009	0.0000	OK
2880 minute winter	SW8	2040	12.799	0.544	0.2	0.0000	0.0000	OK
2880 minute winter	SW9	2040	12.799	0.556	0.3	0.1573	0.0000	SURCHARGED
2880 minute winter	SW10	1020	13.126	0.006	0.1	0.0000	0.0000	OK
2880 minute winter	SW11	2040	12.799	0.544	0.1	0.0000	0.0000	OK
2880 minute winter	SW12	2160	11.888	0.015	0.3	0.0041	0.0000	OK
2880 minute winter	SW13	2160	11.648	0.019	0.7	0.0163	0.0000	OK
2880 minute winter	SW14	2040	13.507	0.387	0.4	13.5463	0.0000	FLOOD RISK
2880 minute winter	SW15	2040	12.902	0.010	0.1	0.0029	0.0000	OK
2880 minute winter	SW16	2040	12.832	0.010	0.1	0.0029	0.0000	OK
2880 minute winter	SW17	2700	12.688	0.011	0.3	0.0093	0.0000	OK
2880 minute winter	SW18	2880	13.317	0.447	1.6	94.6291	0.0000	FLOOD RISK
2880 minute winter	SW19	2160	12.566	0.013	0.4	0.0037	0.0000	OK
2880 minute winter	SW20	1980	12.906	0.336	0.3	12.5286	0.0000	FLOOD RISK
2880 minute winter	SW21	2160	11.578	0.020	0.8	0.0056	0.0000	OK
2880 minute winter	SW22	2160	12.337	0.377	0.5	22.6576	0.0000	FLOOD RISK
2880 minute winter	SW23	2160	11.034	0.025	1.4	0.0071	0.0000	OK
2880 minute winter	SW24	1320	12.855	0.015	0.3	0.0000	0.0000	OK
2880 minute winter	SW25	1320	12.672	0.015	0.3	0.0043	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	SW1	1.000	SW2	0.2	0.343	0.013	0.0200	
2880 minute winter	SW2	1.001	SW3	0.2	0.358	0.013	0.0086	
2880 minute winter	SW3	1.002	SW4	0.2	0.320	0.011	0.0121	
2880 minute winter	SW4	1.008	SW12	0.3	0.395	0.019	0.0309	
2880 minute winter	SW5	1.003	SW6	0.2	0.354	0.033	0.0038	
2880 minute winter	SW6	1.004	SW7	0.2	0.345	0.033	0.0051	
2880 minute winter	SW7	1.005	SW8	0.2	0.343	0.033	0.0006	
2880 minute winter	SW8	Flow through Pond	SW9	0.3	0.002	0.000	9.4020	
2880 minute winter	SW9	1.007	SW4	0.1	0.229	0.021	0.0008	
2880 minute winter	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
2880 minute winter	SW11	Flow through Pond	SW9	0.3	0.002	0.000	9.4020	
2880 minute winter	SW12	1.009	SW13	0.3	0.323	0.019	0.0261	
2880 minute winter	SW13	1.010	SW21	0.7	0.444	0.014	0.0116	
2880 minute winter	SW14	2.000	SW15	0.1	0.309	0.021	0.0095	
2880 minute winter	SW15	2.001	SW16	0.1	0.309	0.021	0.0029	
2880 minute winter	SW16	2.002	SW17	0.1	0.297	0.021	0.0063	
2880 minute winter	SW17	2.003	SW19	0.3	0.402	0.010	0.0039	
2880 minute winter	SW18	3.000	SW17	0.1	0.368	0.005	0.0004	
2880 minute winter	SW19	2.004	SW13	0.4	0.514	0.015	0.0038	
2880 minute winter	SW20	4.000	SW19	0.1	0.241	0.020	0.0009	
2880 minute winter	SW21	1.011	SW23	0.8	0.417	0.016	0.1033	
2880 minute winter	SW22	5.000	SW21	0.1	0.194	0.013	0.0104	
2880 minute winter	SW23	6.010	SW40	1.4	0.614	0.025	0.0197	
2880 minute winter	SW24	6.000	SW25	0.3	0.402	0.050	0.0137	
2880 minute winter	SW25	6.001	SW26	0.3	0.360	0.050	0.0181	

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Results for 100 year +45% CC 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	SW26	1320	12.458	0.018	0.4	0.0000	0.0000	OK
2880 minute winter	SW27	1320	12.805	0.005	0.1	0.0000	0.0000	OK
2880 minute winter	SW28	1320	12.396	0.018	0.5	0.0155	0.0000	OK
2880 minute winter	SW29	960	12.839	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	SW30	1320	12.360	0.018	0.5	0.0153	0.0000	OK
2880 minute winter	SW31	2100	12.310	0.652	0.5	0.0000	0.0000	OK
2880 minute winter	SW32	2100	12.310	0.656	0.3	0.1856	0.0000	SURCHARGED
2880 minute winter	SW33	2280	11.582	0.013	0.3	0.0111	0.0000	OK
2880 minute winter	SW34	2340	13.736	0.386	0.8	37.2823	0.0000	FLOOD RISK
2880 minute winter	SW35	2280	11.432	0.013	0.3	0.0037	0.0000	OK
2880 minute winter	SW36	2280	11.359	0.013	0.3	0.0036	0.0000	OK
2880 minute winter	SW37	2100	11.201	0.017	0.5	0.0147	0.0000	OK
2880 minute winter	SW38	2040	13.188	0.518	0.6	23.2629	0.0000	FLOOD RISK
2880 minute winter	SW39	2100	12.801	0.501	0.5	19.5321	0.0000	FLOOD RISK
2880 minute winter	SW40	2100	10.239	0.001	1.7	0.0007	0.0000	OK
2880 minute winter	SW41	2100	12.608	0.388	0.5	18.8564	0.0000	FLOOD RISK
2880 minute winter	SW42	960	12.828	0.008	0.1	0.0000	0.0000	OK
2880 minute winter	SW43	1140	12.309	0.009	0.1	0.0026	0.0000	OK
2880 minute winter	SW44	960	12.219	0.009	0.1	0.0026	0.0000	OK
2880 minute winter	SW45	1200	12.172	0.013	0.2	0.0036	0.0000	OK
2880 minute winter	SW46	1200	12.049	0.011	0.2	0.0031	0.0000	OK
2880 minute winter	SW47	1320	11.165	0.020	0.5	0.0055	0.0000	OK
2880 minute winter	SW48	1320	11.909	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	SW49	1200	11.909	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	SW50	1200	11.810	0.009	0.1	0.0015	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	SW26	6.002	SW28	0.4	0.428	0.066	0.0058	
2880 minute winter	SW27	7.000	SW26	0.1	0.202	0.005	0.0021	
2880 minute winter	SW28	6.003	SW30	0.5	0.427	0.028	0.0042	
2880 minute winter	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
2880 minute winter	SW30	6.004	SW31	0.5	0.437	0.028	0.0044	
2880 minute winter	SW31	Flow through Pond	SW32	0.3	0.001	0.000	21.1279	
2880 minute winter	SW32	6.005	SW33	0.1	0.311	0.023	0.0016	
2880 minute winter	SW33	6.006	SW35	0.3	0.361	0.015	0.0109	
2880 minute winter	SW34	9.000	SW33	0.1	0.388	0.015	0.0005	
2880 minute winter	SW35	6.007	SW36	0.3	0.362	0.015	0.0053	
2880 minute winter	SW36	6.008	SW37	0.3	0.294	0.015	0.0147	
2880 minute winter	SW37	6.009	SW23	0.5	0.319	0.027	0.0264	
2880 minute winter	SW38	10.000	SW37	0.2	0.446	0.025	0.0007	
2880 minute winter	SW39	11.000	SW23	0.1	0.377	0.014	0.0004	
2880 minute winter	SW40	Pump		1.7				209.0
2880 minute winter	SW41	12.000	SW40	0.1	0.389	0.015	0.0007	
2880 minute winter	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
2880 minute winter	SW43	13.001	SW44	0.1	0.287	0.017	0.0032	
2880 minute winter	SW44	13.002	SW45	0.1	0.281	0.017	0.0024	
2880 minute winter	SW45	13.003	SW46	0.2	0.380	0.033	0.0064	
2880 minute winter	SW46	13.004	SW47	0.2	0.431	0.025	0.0065	
2880 minute winter	SW47	17.000	SW55	0.5	0.455	0.083	0.0163	
2880 minute winter	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
2880 minute winter	SW49	15.000	SW50	0.1	0.282	0.017	0.0035	
2880 minute winter	SW50	15.001	SW51	0.1	0.314	0.017	0.0041	

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Results for 100 year +45% CC 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	SW51	1200	11.680	0.008	0.1	0.0012	0.0000	OK
2880 minute winter	SW52	1200	11.213	0.013	0.2	0.0035	0.0000	OK
2880 minute winter	SW53	1080	11.909	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	SW54	1080	11.280	0.009	0.1	0.0026	0.0000	OK
2880 minute winter	SW55	1320	11.017	0.020	0.5	0.0014	0.0000	OK
2880 minute winter	SW56	1980	10.830	0.536	0.5	0.0000	0.0000	OK
2880 minute winter	SW57	1980	10.830	0.546	0.3	0.1546	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	SW51	15.002	SW52	0.1	0.242	0.012	0.0104	
2880 minute winter	SW52	15.003	SW47	0.2	0.272	0.033	0.0046	
2880 minute winter	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
2880 minute winter	SW54	16.001	SW52	0.1	0.287	0.017	0.0032	
2880 minute winter	SW55	17.001	SW56	0.5	0.459	0.083	0.0014	
2880 minute winter	SW56	Flow through Pond	SW57	0.3	0.004	0.000	18.5115	
2880 minute winter	SW57	17.002	SW40	0.1	0.551	0.020	0.0015	

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Results for 100 year +45% CC 4320 minute summer. 4560 minute analysis at 60 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	SW1	3360	13.460	0.570	1.9	92.2681	0.0000	FLOOD RISK
4320 minute summer	SW2	3360	12.594	0.012	0.2	0.0034	0.0000	OK
4320 minute summer	SW3	3360	12.455	0.011	0.2	0.0032	0.0000	OK
4320 minute summer	SW4	2820	12.243	0.014	0.3	0.0000	0.0000	OK
4320 minute summer	SW5	2100	13.113	0.013	0.2	0.0000	0.0000	OK
4320 minute summer	SW6	2100	13.045	0.013	0.2	0.0020	0.0000	OK
4320 minute summer	SW7	2100	12.956	0.013	0.2	0.0009	0.0000	OK
4320 minute summer	SW8	2700	12.737	0.482	0.2	0.0000	0.0000	OK
4320 minute summer	SW9	2700	12.737	0.494	0.3	0.1399	0.0000	SURCHARGED
4320 minute summer	SW10	1800	13.126	0.006	0.1	0.0000	0.0000	OK
4320 minute summer	SW11	2700	12.737	0.482	0.1	0.0000	0.0000	OK
4320 minute summer	SW12	2820	11.887	0.014	0.3	0.0041	0.0000	OK
4320 minute summer	SW13	2820	11.648	0.019	0.7	0.0162	0.0000	OK
4320 minute summer	SW14	2700	13.487	0.367	0.4	12.8434	0.0000	FLOOD RISK
4320 minute summer	SW15	2700	12.902	0.010	0.1	0.0029	0.0000	OK
4320 minute summer	SW16	2700	12.832	0.010	0.1	0.0028	0.0000	OK
4320 minute summer	SW17	3240	12.688	0.011	0.3	0.0093	0.0000	OK
4320 minute summer	SW18	4320	13.337	0.467	1.8	98.7605	0.0000	FLOOD RISK
4320 minute summer	SW19	2880	12.566	0.013	0.4	0.0037	0.0000	OK
4320 minute summer	SW20	2700	12.900	0.330	0.4	12.3091	0.0000	FLOOD RISK
4320 minute summer	SW21	2820	11.578	0.020	0.8	0.0055	0.0000	OK
4320 minute summer	SW22	2820	12.330	0.370	0.6	22.2590	0.0000	FLOOD RISK
4320 minute summer	SW23	2820	11.034	0.025	1.4	0.0071	0.0000	OK
4320 minute summer	SW24	2220	12.858	0.018	0.4	0.0000	0.0000	OK
4320 minute summer	SW25	2220	12.674	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	SW1	1.000	SW2	0.2	0.344	0.013	0.0201	
4320 minute summer	SW2	1.001	SW3	0.2	0.358	0.013	0.0086	
4320 minute summer	SW3	1.002	SW4	0.2	0.337	0.011	0.0120	
4320 minute summer	SW4	1.008	SW12	0.3	0.393	0.019	0.0305	
4320 minute summer	SW5	1.003	SW6	0.2	0.354	0.033	0.0038	
4320 minute summer	SW6	1.004	SW7	0.2	0.345	0.033	0.0051	
4320 minute summer	SW7	1.005	SW8	0.2	0.343	0.033	0.0006	
4320 minute summer	SW8	Flow through Pond	SW9	0.3	0.002	0.000	8.3478	
4320 minute summer	SW9	1.007	SW4	0.1	0.221	0.019	0.0007	
4320 minute summer	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
4320 minute summer	SW11	Flow through Pond	SW9	0.3	0.002	0.000	8.3478	
4320 minute summer	SW12	1.009	SW13	0.3	0.321	0.019	0.0258	
4320 minute summer	SW13	1.010	SW21	0.7	0.443	0.014	0.0115	
4320 minute summer	SW14	2.000	SW15	0.1	0.306	0.021	0.0093	
4320 minute summer	SW15	2.001	SW16	0.1	0.307	0.021	0.0028	
4320 minute summer	SW16	2.002	SW17	0.1	0.293	0.021	0.0062	
4320 minute summer	SW17	2.003	SW19	0.3	0.401	0.010	0.0039	
4320 minute summer	SW18	3.000	SW17	0.1	0.370	0.006	0.0004	
4320 minute summer	SW19	2.004	SW13	0.4	0.513	0.015	0.0038	
4320 minute summer	SW20	4.000	SW19	0.1	0.240	0.020	0.0008	
4320 minute summer	SW21	1.011	SW23	0.8	0.416	0.016	0.1025	
4320 minute summer	SW22	5.000	SW21	0.1	0.201	0.013	0.0103	
4320 minute summer	SW23	6.010	SW40	1.4	0.612	0.025	0.0196	
4320 minute summer	SW24	6.000	SW25	0.4	0.437	0.066	0.0168	
4320 minute summer	SW25	6.001	SW26	0.4	0.403	0.066	0.0216	

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Results for 100 year +45% CC 4320 minute summer. 4560 minute analysis at 60 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	SW26	2220	12.459	0.019	0.5	0.0000	0.0000	OK
4320 minute summer	SW27	2100	12.805	0.005	0.1	0.0000	0.0000	OK
4320 minute summer	SW28	2220	12.399	0.021	0.7	0.0183	0.0000	OK
4320 minute summer	SW29	2220	12.843	0.013	0.2	0.0000	0.0000	OK
4320 minute summer	SW30	2220	12.363	0.021	0.7	0.0180	0.0000	OK
4320 minute summer	SW31	2760	12.263	0.605	0.7	0.0000	0.0000	OK
4320 minute summer	SW32	2760	12.263	0.609	0.4	0.1724	0.0000	SURCHARGED
4320 minute summer	SW33	3000	11.582	0.013	0.3	0.0111	0.0000	OK
4320 minute summer	SW34	3060	13.750	0.400	0.8	38.6435	0.0000	FLOOD RISK
4320 minute summer	SW35	3000	11.432	0.013	0.3	0.0037	0.0000	OK
4320 minute summer	SW36	3000	11.359	0.013	0.3	0.0036	0.0000	OK
4320 minute summer	SW37	2820	11.201	0.017	0.5	0.0146	0.0000	OK
4320 minute summer	SW38	2700	13.164	0.494	0.7	22.1872	0.0000	FLOOD RISK
4320 minute summer	SW39	2820	12.824	0.524	0.5	20.4498	0.0000	FLOOD RISK
4320 minute summer	SW40	2820	10.239	0.001	1.7	0.0007	0.0000	OK
4320 minute summer	SW41	2820	12.624	0.404	0.5	19.6722	0.0000	FLOOD RISK
4320 minute summer	SW42	2220	12.831	0.011	0.2	0.0000	0.0000	OK
4320 minute summer	SW43	2220	12.313	0.013	0.2	0.0036	0.0000	OK
4320 minute summer	SW44	2220	12.223	0.013	0.2	0.0035	0.0000	OK
4320 minute summer	SW45	2220	12.175	0.016	0.3	0.0044	0.0000	OK
4320 minute summer	SW46	2220	12.051	0.013	0.3	0.0038	0.0000	OK
4320 minute summer	SW47	2220	11.166	0.021	0.6	0.0061	0.0000	OK
4320 minute summer	SW48	2100	11.909	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	SW49	1920	11.909	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	SW50	1920	11.810	0.009	0.1	0.0015	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	SW26	6.002	SW28	0.5	0.439	0.083	0.0070	
4320 minute summer	SW27	7.000	SW26	0.1	0.202	0.005	0.0024	
4320 minute summer	SW28	6.003	SW30	0.7	0.470	0.039	0.0054	
4320 minute summer	SW29	8.000	SW28	0.2	0.353	0.033	0.0028	
4320 minute summer	SW30	6.004	SW31	0.7	0.483	0.039	0.0056	
4320 minute summer	SW31	Flow through Pond	SW32	0.4	0.001	0.000	19.6130	
4320 minute summer	SW32	6.005	SW33	0.1	0.307	0.022	0.0015	
4320 minute summer	SW33	6.006	SW35	0.3	0.360	0.015	0.0108	
4320 minute summer	SW34	9.000	SW33	0.1	0.390	0.015	0.0005	
4320 minute summer	SW35	6.007	SW36	0.3	0.361	0.015	0.0053	
4320 minute summer	SW36	6.008	SW37	0.3	0.293	0.015	0.0145	
4320 minute summer	SW37	6.009	SW23	0.5	0.316	0.026	0.0262	
4320 minute summer	SW38	10.000	SW37	0.2	0.443	0.024	0.0007	
4320 minute summer	SW39	11.000	SW23	0.1	0.380	0.014	0.0004	
4320 minute summer	SW40	Pump		1.7				284.1
4320 minute summer	SW41	12.000	SW40	0.1	0.392	0.015	0.0007	
4320 minute summer	SW42	13.000	SW43	0.2	0.451	0.023	0.0016	
4320 minute summer	SW43	13.001	SW44	0.2	0.353	0.033	0.0051	
4320 minute summer	SW44	13.002	SW45	0.2	0.299	0.033	0.0035	
4320 minute summer	SW45	13.003	SW46	0.3	0.429	0.050	0.0084	
4320 minute summer	SW46	13.004	SW47	0.3	0.487	0.037	0.0087	
4320 minute summer	SW47	17.000	SW55	0.6	0.479	0.099	0.0186	
4320 minute summer	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
4320 minute summer	SW49	15.000	SW50	0.1	0.282	0.017	0.0035	
4320 minute summer	SW50	15.001	SW51	0.1	0.314	0.017	0.0041	

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Results for 100 year +45% CC 4320 minute summer. 4560 minute analysis at 60 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	SW51	1920	11.680	0.008	0.1	0.0012	0.0000	OK
4320 minute summer	SW52	1920	11.213	0.013	0.2	0.0035	0.0000	OK
4320 minute summer	SW53	1860	11.909	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	SW54	1860	11.280	0.009	0.1	0.0026	0.0000	OK
4320 minute summer	SW55	2220	11.019	0.022	0.6	0.0016	0.0000	OK
4320 minute summer	SW56	2640	10.808	0.515	0.6	0.0000	0.0000	OK
4320 minute summer	SW57	2640	10.809	0.525	0.3	0.1485	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	SW51	15.002	SW52	0.1	0.242	0.012	0.0104	
4320 minute summer	SW52	15.003	SW47	0.2	0.272	0.033	0.0050	
4320 minute summer	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
4320 minute summer	SW54	16.001	SW52	0.1	0.286	0.017	0.0032	
4320 minute summer	SW55	17.001	SW56	0.6	0.483	0.099	0.0016	
4320 minute summer	SW56	Flow through Pond	SW57	0.3	0.004	0.000	17.7796	
4320 minute summer	SW57	17.002	SW40	0.1	0.548	0.020	0.0015	

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Results for 100 year +45% CC 4320 minute winter. 4560 minute analysis at 60 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute winter	SW1	3480	13.450	0.560	1.2	90.6969	0.0000	FLOOD RISK
4320 minute winter	SW2	3480	12.594	0.012	0.2	0.0034	0.0000	OK
4320 minute winter	SW3	3480	12.455	0.011	0.2	0.0032	0.0000	OK
4320 minute winter	SW4	3060	12.243	0.014	0.3	0.0000	0.0000	OK
4320 minute winter	SW5	1380	13.109	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	SW6	1380	13.041	0.009	0.1	0.0014	0.0000	OK
4320 minute winter	SW7	1380	12.952	0.009	0.1	0.0007	0.0000	OK
4320 minute winter	SW8	2880	12.750	0.495	0.1	0.0000	0.0000	OK
4320 minute winter	SW9	2880	12.750	0.507	0.2	0.1434	0.0000	SURCHARGED
4320 minute winter	SW10	1620	13.126	0.006	0.1	0.0000	0.0000	OK
4320 minute winter	SW11	2880	12.750	0.495	0.1	0.0000	0.0000	OK
4320 minute winter	SW12	3060	11.887	0.014	0.3	0.0041	0.0000	OK
4320 minute winter	SW13	3060	11.648	0.019	0.7	0.0160	0.0000	OK
4320 minute winter	SW14	2820	13.454	0.334	0.3	11.6723	0.0000	FLOOD RISK
4320 minute winter	SW15	2820	12.902	0.010	0.1	0.0028	0.0000	OK
4320 minute winter	SW16	2820	12.832	0.010	0.1	0.0028	0.0000	OK
4320 minute winter	SW17	3360	12.688	0.011	0.3	0.0092	0.0000	OK
4320 minute winter	SW18	4200	13.333	0.463	1.2	98.0072	0.0000	FLOOD RISK
4320 minute winter	SW19	3360	12.566	0.013	0.4	0.0036	0.0000	OK
4320 minute winter	SW20	2760	12.841	0.271	0.2	10.0667	0.0000	FLOOD RISK
4320 minute winter	SW21	3060	11.577	0.019	0.8	0.0055	0.0000	OK
4320 minute winter	SW22	3000	12.325	0.365	0.4	21.9411	0.0000	FLOOD RISK
4320 minute winter	SW23	3060	11.034	0.025	1.4	0.0070	0.0000	OK
4320 minute winter	SW24	1740	12.853	0.013	0.2	0.0000	0.0000	OK
4320 minute winter	SW25	1740	12.670	0.013	0.2	0.0035	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	SW1	1.000	SW2	0.2	0.343	0.013	0.0200	
4320 minute winter	SW2	1.001	SW3	0.2	0.357	0.013	0.0086	
4320 minute winter	SW3	1.002	SW4	0.2	0.330	0.011	0.0120	
4320 minute winter	SW4	1.008	SW12	0.3	0.393	0.019	0.0305	
4320 minute winter	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
4320 minute winter	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
4320 minute winter	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
4320 minute winter	SW8	Flow through Pond	SW9	0.2	0.002	0.000	8.5596	
4320 minute winter	SW9	1.007	SW4	0.1	0.224	0.020	0.0007	
4320 minute winter	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
4320 minute winter	SW11	Flow through Pond	SW9	0.2	0.002	0.000	8.5596	
4320 minute winter	SW12	1.009	SW13	0.3	0.324	0.019	0.0256	
4320 minute winter	SW13	1.010	SW21	0.7	0.439	0.013	0.0113	
4320 minute winter	SW14	2.000	SW15	0.1	0.302	0.020	0.0090	
4320 minute winter	SW15	2.001	SW16	0.1	0.302	0.020	0.0027	
4320 minute winter	SW16	2.002	SW17	0.1	0.286	0.020	0.0060	
4320 minute winter	SW17	2.003	SW19	0.3	0.402	0.010	0.0038	
4320 minute winter	SW18	3.000	SW17	0.1	0.370	0.006	0.0004	
4320 minute winter	SW19	2.004	SW13	0.4	0.506	0.014	0.0037	
4320 minute winter	SW20	4.000	SW19	0.1	0.229	0.018	0.0008	
4320 minute winter	SW21	1.011	SW23	0.8	0.415	0.015	0.1007	
4320 minute winter	SW22	5.000	SW21	0.1	0.201	0.013	0.0102	
4320 minute winter	SW23	6.010	SW40	1.4	0.606	0.024	0.0192	
4320 minute winter	SW24	6.000	SW25	0.2	0.355	0.033	0.0103	
4320 minute winter	SW25	6.001	SW26	0.2	0.355	0.033	0.0122	

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Results for 100 year +45% CC 4320 minute winter. 4560 minute analysis at 60 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute winter	SW26	1740	12.452	0.012	0.2	0.0000	0.0000	OK
4320 minute winter	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	SW28	1740	12.392	0.014	0.3	0.0121	0.0000	OK
4320 minute winter	SW29	1560	12.839	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	SW30	1740	12.356	0.014	0.3	0.0120	0.0000	OK
4320 minute winter	SW31	2940	12.203	0.545	0.3	0.0000	0.0000	OK
4320 minute winter	SW32	2940	12.203	0.549	0.2	0.1553	0.0000	SURCHARGED
4320 minute winter	SW33	3180	11.582	0.013	0.3	0.0109	0.0000	OK
4320 minute winter	SW34	3240	13.740	0.390	0.6	37.7168	0.0000	FLOOD RISK
4320 minute winter	SW35	3180	11.432	0.013	0.3	0.0036	0.0000	OK
4320 minute winter	SW36	3180	11.359	0.013	0.3	0.0036	0.0000	OK
4320 minute winter	SW37	3060	11.200	0.016	0.4	0.0143	0.0000	OK
4320 minute winter	SW38	3060	13.108	0.438	0.4	19.6709	0.0000	FLOOD RISK
4320 minute winter	SW39	3000	12.795	0.495	0.3	19.2892	0.0000	FLOOD RISK
4320 minute winter	SW40	3000	10.239	0.001	1.6	0.0007	0.0000	OK
4320 minute winter	SW41	3000	12.598	0.378	0.3	18.3870	0.0000	FLOOD RISK
4320 minute winter	SW42	1560	12.828	0.008	0.1	0.0000	0.0000	OK
4320 minute winter	SW43	1860	12.309	0.009	0.1	0.0026	0.0000	OK
4320 minute winter	SW44	1560	12.219	0.009	0.1	0.0026	0.0000	OK
4320 minute winter	SW45	1920	12.172	0.013	0.2	0.0036	0.0000	OK
4320 minute winter	SW46	1920	12.049	0.011	0.2	0.0031	0.0000	OK
4320 minute winter	SW47	1920	11.163	0.018	0.4	0.0050	0.0000	OK
4320 minute winter	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	SW49	1920	11.909	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	SW50	1920	11.810	0.009	0.1	0.0015	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	SW26	6.002	SW28	0.2	0.328	0.033	0.0038	
4320 minute winter	SW27	7.000	SW26	0.0	0.000	0.000	0.0011	
4320 minute winter	SW28	6.003	SW30	0.3	0.370	0.017	0.0029	
4320 minute winter	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
4320 minute winter	SW30	6.004	SW31	0.3	0.376	0.017	0.0031	
4320 minute winter	SW31	Flow through Pond	SW32	0.2	0.001	0.000	17.6683	
4320 minute winter	SW32	6.005	SW33	0.1	0.302	0.021	0.0015	
4320 minute winter	SW33	6.006	SW35	0.3	0.356	0.014	0.0106	
4320 minute winter	SW34	9.000	SW33	0.1	0.388	0.015	0.0005	
4320 minute winter	SW35	6.007	SW36	0.3	0.357	0.014	0.0052	
4320 minute winter	SW36	6.008	SW37	0.3	0.291	0.014	0.0141	
4320 minute winter	SW37	6.009	SW23	0.4	0.310	0.025	0.0256	
4320 minute winter	SW38	10.000	SW37	0.2	0.436	0.023	0.0006	
4320 minute winter	SW39	11.000	SW23	0.1	0.376	0.014	0.0004	
4320 minute winter	SW40	Pump		1.6				284.0
4320 minute winter	SW41	12.000	SW40	0.1	0.387	0.015	0.0007	
4320 minute winter	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
4320 minute winter	SW43	13.001	SW44	0.1	0.287	0.017	0.0032	
4320 minute winter	SW44	13.002	SW45	0.1	0.281	0.017	0.0024	
4320 minute winter	SW45	13.003	SW46	0.2	0.380	0.033	0.0064	
4320 minute winter	SW46	13.004	SW47	0.2	0.431	0.025	0.0065	
4320 minute winter	SW47	17.000	SW55	0.4	0.427	0.066	0.0139	
4320 minute winter	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
4320 minute winter	SW49	15.000	SW50	0.1	0.282	0.017	0.0035	
4320 minute winter	SW50	15.001	SW51	0.1	0.314	0.017	0.0041	

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Results for 100 year +45% CC 4320 minute winter. 4560 minute analysis at 60 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute winter	SW51	1920	11.680	0.008	0.1	0.0012	0.0000	OK
4320 minute winter	SW52	1920	11.213	0.013	0.2	0.0035	0.0000	OK
4320 minute winter	SW53	1740	11.909	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	SW54	1740	11.280	0.009	0.1	0.0026	0.0000	OK
4320 minute winter	SW55	1920	11.015	0.018	0.4	0.0013	0.0000	OK
4320 minute winter	SW56	2760	10.783	0.489	0.4	0.0000	0.0000	OK
4320 minute winter	SW57	2760	10.783	0.499	0.3	0.1412	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	SW51	15.002	SW52	0.1	0.242	0.012	0.0104	
4320 minute winter	SW52	15.003	SW47	0.2	0.272	0.033	0.0041	
4320 minute winter	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
4320 minute winter	SW54	16.001	SW52	0.1	0.287	0.017	0.0032	
4320 minute winter	SW55	17.001	SW56	0.4	0.431	0.066	0.0012	
4320 minute winter	SW56	Flow through Pond	SW57	0.3	0.004	0.000	16.8958	
4320 minute winter	SW57	17.002	SW40	0.1	0.553	0.020	0.0014	

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Results for 100 year +45% CC 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	SW1	4140	13.460	0.570	1.6	92.1943	0.0000	FLOOD RISK
5760 minute summer	SW2	4140	12.594	0.012	0.2	0.0034	0.0000	OK
5760 minute summer	SW3	4140	12.455	0.011	0.2	0.0032	0.0000	OK
5760 minute summer	SW4	3660	12.243	0.014	0.3	0.0000	0.0000	OK
5760 minute summer	SW5	2880	13.113	0.013	0.2	0.0000	0.0000	OK
5760 minute summer	SW6	2880	13.045	0.013	0.2	0.0020	0.0000	OK
5760 minute summer	SW7	2880	12.956	0.013	0.2	0.0009	0.0000	OK
5760 minute summer	SW8	3480	12.746	0.491	0.2	0.0000	0.0000	OK
5760 minute summer	SW9	3480	12.746	0.503	0.3	0.1424	0.0000	SURCHARGED
5760 minute summer	SW10	2460	13.126	0.006	0.1	0.0000	0.0000	OK
5760 minute summer	SW11	3480	12.746	0.491	0.1	0.0000	0.0000	OK
5760 minute summer	SW12	3660	11.887	0.014	0.3	0.0041	0.0000	OK
5760 minute summer	SW13	3660	11.648	0.019	0.7	0.0161	0.0000	OK
5760 minute summer	SW14	3480	13.453	0.333	0.3	11.6500	0.0000	FLOOD RISK
5760 minute summer	SW15	3480	12.902	0.010	0.1	0.0028	0.0000	OK
5760 minute summer	SW16	3480	12.832	0.010	0.1	0.0028	0.0000	OK
5760 minute summer	SW17	4080	12.688	0.011	0.3	0.0092	0.0000	OK
5760 minute summer	SW18	4980	13.332	0.462	1.5	97.7435	0.0000	FLOOD RISK
5760 minute summer	SW19	3840	12.566	0.013	0.4	0.0037	0.0000	OK
5760 minute summer	SW20	3420	12.871	0.301	0.3	11.2011	0.0000	FLOOD RISK
5760 minute summer	SW21	3660	11.577	0.019	0.8	0.0055	0.0000	OK
5760 minute summer	SW22	3660	12.325	0.365	0.5	21.9371	0.0000	FLOOD RISK
5760 minute summer	SW23	3660	11.034	0.025	1.4	0.0070	0.0000	OK
5760 minute summer	SW24	2880	12.855	0.015	0.3	0.0000	0.0000	OK
5760 minute summer	SW25	2880	12.672	0.015	0.3	0.0043	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	SW1	1.000	SW2	0.2	0.344	0.013	0.0201	
5760 minute summer	SW2	1.001	SW3	0.2	0.358	0.013	0.0086	
5760 minute summer	SW3	1.002	SW4	0.2	0.347	0.011	0.0121	
5760 minute summer	SW4	1.008	SW12	0.3	0.394	0.019	0.0306	
5760 minute summer	SW5	1.003	SW6	0.2	0.354	0.033	0.0038	
5760 minute summer	SW6	1.004	SW7	0.2	0.345	0.033	0.0051	
5760 minute summer	SW7	1.005	SW8	0.2	0.343	0.033	0.0006	
5760 minute summer	SW8	Flow through Pond	SW9	0.3	0.002	0.000	8.5008	
5760 minute summer	SW9	1.007	SW4	0.1	0.223	0.020	0.0007	
5760 minute summer	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
5760 minute summer	SW11	Flow through Pond	SW9	0.3	0.002	0.000	8.5008	
5760 minute summer	SW12	1.009	SW13	0.3	0.324	0.019	0.0257	
5760 minute summer	SW13	1.010	SW21	0.7	0.440	0.014	0.0114	
5760 minute summer	SW14	2.000	SW15	0.1	0.302	0.020	0.0090	
5760 minute summer	SW15	2.001	SW16	0.1	0.302	0.020	0.0027	
5760 minute summer	SW16	2.002	SW17	0.1	0.286	0.020	0.0060	
5760 minute summer	SW17	2.003	SW19	0.3	0.399	0.010	0.0038	
5760 minute summer	SW18	3.000	SW17	0.1	0.370	0.006	0.0004	
5760 minute summer	SW19	2.004	SW13	0.4	0.508	0.014	0.0037	
5760 minute summer	SW20	4.000	SW19	0.1	0.236	0.019	0.0008	
5760 minute summer	SW21	1.011	SW23	0.8	0.414	0.015	0.1014	
5760 minute summer	SW22	5.000	SW21	0.1	0.200	0.013	0.0102	
5760 minute summer	SW23	6.010	SW40	1.4	0.609	0.024	0.0193	
5760 minute summer	SW24	6.000	SW25	0.3	0.402	0.050	0.0137	
5760 minute summer	SW25	6.001	SW26	0.3	0.360	0.050	0.0181	

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Results for 100 year +45% CC 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	SW26	2880	12.458	0.018	0.4	0.0000	0.0000	OK
5760 minute summer	SW27	2880	12.805	0.005	0.1	0.0000	0.0000	OK
5760 minute summer	SW28	2880	12.396	0.018	0.5	0.0155	0.0000	OK
5760 minute summer	SW29	2340	12.839	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	SW30	2880	12.360	0.018	0.5	0.0153	0.0000	OK
5760 minute summer	SW31	3600	12.240	0.582	0.5	0.0000	0.0000	OK
5760 minute summer	SW32	3600	12.240	0.586	0.3	0.1658	0.0000	SURCHARGED
5760 minute summer	SW33	3840	11.582	0.013	0.3	0.0110	0.0000	OK
5760 minute summer	SW34	3900	13.750	0.400	0.7	38.6737	0.0000	FLOOD RISK
5760 minute summer	SW35	3840	11.432	0.013	0.3	0.0036	0.0000	OK
5760 minute summer	SW36	3840	11.359	0.013	0.3	0.0036	0.0000	OK
5760 minute summer	SW37	3660	11.201	0.017	0.5	0.0145	0.0000	OK
5760 minute summer	SW38	3480	13.147	0.477	0.6	21.4058	0.0000	FLOOD RISK
5760 minute summer	SW39	3600	12.790	0.490	0.4	19.1019	0.0000	FLOOD RISK
5760 minute summer	SW40	3600	10.239	0.001	1.6	0.0007	0.0000	OK
5760 minute summer	SW41	3600	12.597	0.377	0.4	18.3093	0.0000	FLOOD RISK
5760 minute summer	SW42	2340	12.828	0.008	0.1	0.0000	0.0000	OK
5760 minute summer	SW43	2640	12.309	0.009	0.1	0.0026	0.0000	OK
5760 minute summer	SW44	2340	12.219	0.009	0.1	0.0026	0.0000	OK
5760 minute summer	SW45	2700	12.172	0.013	0.2	0.0036	0.0000	OK
5760 minute summer	SW46	2700	12.049	0.011	0.2	0.0031	0.0000	OK
5760 minute summer	SW47	2880	11.165	0.020	0.5	0.0055	0.0000	OK
5760 minute summer	SW48	2880	11.909	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	SW49	2700	11.909	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	SW50	2700	11.810	0.009	0.1	0.0015	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	SW26	6.002	SW28	0.4	0.428	0.066	0.0058	
5760 minute summer	SW27	7.000	SW26	0.1	0.202	0.005	0.0021	
5760 minute summer	SW28	6.003	SW30	0.5	0.427	0.028	0.0042	
5760 minute summer	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
5760 minute summer	SW30	6.004	SW31	0.5	0.437	0.028	0.0044	
5760 minute summer	SW31	Flow through Pond	SW32	0.3	0.001	0.000	18.8684	
5760 minute summer	SW32	6.005	SW33	0.1	0.305	0.021	0.0015	
5760 minute summer	SW33	6.006	SW35	0.3	0.359	0.014	0.0107	
5760 minute summer	SW34	9.000	SW33	0.1	0.390	0.015	0.0005	
5760 minute summer	SW35	6.007	SW36	0.3	0.360	0.014	0.0052	
5760 minute summer	SW36	6.008	SW37	0.3	0.293	0.014	0.0144	
5760 minute summer	SW37	6.009	SW23	0.5	0.315	0.026	0.0259	
5760 minute summer	SW38	10.000	SW37	0.2	0.441	0.024	0.0007	
5760 minute summer	SW39	11.000	SW23	0.1	0.376	0.014	0.0004	
5760 minute summer	SW40	Pump		1.6				344.9
5760 minute summer	SW41	12.000	SW40	0.1	0.387	0.015	0.0007	
5760 minute summer	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
5760 minute summer	SW43	13.001	SW44	0.1	0.287	0.017	0.0032	
5760 minute summer	SW44	13.002	SW45	0.1	0.281	0.017	0.0024	
5760 minute summer	SW45	13.003	SW46	0.2	0.380	0.033	0.0064	
5760 minute summer	SW46	13.004	SW47	0.2	0.431	0.025	0.0065	
5760 minute summer	SW47	17.000	SW55	0.5	0.455	0.083	0.0163	
5760 minute summer	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
5760 minute summer	SW49	15.000	SW50	0.1	0.282	0.017	0.0035	
5760 minute summer	SW50	15.001	SW51	0.1	0.314	0.017	0.0041	

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Results for 100 year +45% CC 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	SW51	2700	11.680	0.008	0.1	0.0012	0.0000	OK
5760 minute summer	SW52	2700	11.213	0.013	0.2	0.0035	0.0000	OK
5760 minute summer	SW53	2520	11.909	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	SW54	2520	11.280	0.009	0.1	0.0026	0.0000	OK
5760 minute summer	SW55	2880	11.017	0.020	0.5	0.0014	0.0000	OK
5760 minute summer	SW56	3420	10.762	0.468	0.5	0.0000	0.0000	OK
5760 minute summer	SW57	3420	10.762	0.478	0.3	0.1353	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	SW51	15.002	SW52	0.1	0.242	0.012	0.0104	
5760 minute summer	SW52	15.003	SW47	0.2	0.272	0.033	0.0046	
5760 minute summer	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
5760 minute summer	SW54	16.001	SW52	0.1	0.287	0.017	0.0032	
5760 minute summer	SW55	17.001	SW56	0.5	0.459	0.083	0.0014	
5760 minute summer	SW56	Flow through Pond	SW57	0.3	0.004	0.000	16.1862	
5760 minute summer	SW57	17.002	SW40	0.1	0.541	0.019	0.0014	

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Results for 100 year +45% CC 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	SW1	4380	13.458	0.568	1.0	91.8861	0.0000	FLOOD RISK
5760 minute winter	SW2	4380	12.594	0.012	0.2	0.0034	0.0000	OK
5760 minute winter	SW3	4380	12.455	0.011	0.2	0.0032	0.0000	OK
5760 minute winter	SW4	3900	12.243	0.014	0.3	0.0000	0.0000	OK
5760 minute winter	SW5	1980	13.109	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	SW6	1980	13.041	0.009	0.1	0.0014	0.0000	OK
5760 minute winter	SW7	1980	12.952	0.009	0.1	0.0007	0.0000	OK
5760 minute winter	SW8	3600	12.760	0.505	0.1	0.0000	0.0000	OK
5760 minute winter	SW9	3600	12.760	0.517	0.2	0.1464	0.0000	SURCHARGED
5760 minute winter	SW10	2340	13.126	0.006	0.1	0.0000	0.0000	OK
5760 minute winter	SW11	3600	12.760	0.505	0.1	0.0000	0.0000	OK
5760 minute winter	SW12	3900	11.887	0.014	0.3	0.0041	0.0000	OK
5760 minute winter	SW13	3960	11.647	0.018	0.7	0.0160	0.0000	OK
5760 minute winter	SW14	3540	13.429	0.309	0.2	10.7842	0.0000	FLOOD RISK
5760 minute winter	SW15	3540	12.902	0.010	0.1	0.0027	0.0000	OK
5760 minute winter	SW16	3540	12.832	0.010	0.1	0.0027	0.0000	OK
5760 minute winter	SW17	4320	12.688	0.011	0.3	0.0092	0.0000	OK
5760 minute winter	SW18	5400	13.349	0.479	1.0	101.3716	0.0000	FLOOD RISK
5760 minute winter	SW19	4260	12.566	0.013	0.4	0.0036	0.0000	OK
5760 minute winter	SW20	3480	12.849	0.279	0.2	10.3646	0.0000	FLOOD RISK
5760 minute winter	SW21	3900	11.577	0.019	0.8	0.0055	0.0000	OK
5760 minute winter	SW22	3840	12.313	0.353	0.3	21.2392	0.0000	FLOOD RISK
5760 minute winter	SW23	3960	11.033	0.024	1.4	0.0069	0.0000	OK
5760 minute winter	SW24	2520	12.853	0.013	0.2	0.0000	0.0000	OK
5760 minute winter	SW25	2520	12.670	0.013	0.2	0.0035	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	SW1	1.000	SW2	0.2	0.343	0.013	0.0201	
5760 minute winter	SW2	1.001	SW3	0.2	0.358	0.013	0.0086	
5760 minute winter	SW3	1.002	SW4	0.2	0.342	0.011	0.0120	
5760 minute winter	SW4	1.008	SW12	0.3	0.394	0.019	0.0306	
5760 minute winter	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
5760 minute winter	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
5760 minute winter	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
5760 minute winter	SW8	Flow through Pond	SW9	0.2	0.002	0.000	8.7423	
5760 minute winter	SW9	1.007	SW4	0.1	0.226	0.020	0.0007	
5760 minute winter	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
5760 minute winter	SW11	Flow through Pond	SW9	0.2	0.002	0.000	8.7423	
5760 minute winter	SW12	1.009	SW13	0.3	0.325	0.019	0.0256	
5760 minute winter	SW13	1.010	SW21	0.7	0.439	0.013	0.0113	
5760 minute winter	SW14	2.000	SW15	0.1	0.299	0.019	0.0087	
5760 minute winter	SW15	2.001	SW16	0.1	0.299	0.019	0.0027	
5760 minute winter	SW16	2.002	SW17	0.1	0.281	0.019	0.0059	
5760 minute winter	SW17	2.003	SW19	0.3	0.399	0.010	0.0038	
5760 minute winter	SW18	3.000	SW17	0.1	0.372	0.006	0.0004	
5760 minute winter	SW19	2.004	SW13	0.4	0.505	0.014	0.0037	
5760 minute winter	SW20	4.000	SW19	0.1	0.233	0.018	0.0008	
5760 minute winter	SW21	1.011	SW23	0.8	0.415	0.015	0.1002	
5760 minute winter	SW22	5.000	SW21	0.1	0.202	0.012	0.0101	
5760 minute winter	SW23	6.010	SW40	1.4	0.605	0.024	0.0191	
5760 minute winter	SW24	6.000	SW25	0.2	0.355	0.033	0.0103	
5760 minute winter	SW25	6.001	SW26	0.2	0.355	0.033	0.0122	

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Results for 100 year +45% CC 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	SW26	2520	12.452	0.012	0.2	0.0000	0.0000	OK
5760 minute winter	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW28	2520	12.392	0.014	0.3	0.0121	0.0000	OK
5760 minute winter	SW29	2220	12.839	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	SW30	2520	12.356	0.014	0.3	0.0120	0.0000	OK
5760 minute winter	SW31	3720	12.212	0.554	0.3	0.0000	0.0000	OK
5760 minute winter	SW32	3720	12.212	0.558	0.2	0.1578	0.0000	SURCHARGED
5760 minute winter	SW33	4080	11.582	0.013	0.3	0.0109	0.0000	OK
5760 minute winter	SW34	4140	13.734	0.384	0.5	37.0905	0.0000	FLOOD RISK
5760 minute winter	SW35	4080	11.432	0.013	0.3	0.0036	0.0000	OK
5760 minute winter	SW36	4080	11.359	0.013	0.3	0.0035	0.0000	OK
5760 minute winter	SW37	3960	11.200	0.016	0.4	0.0142	0.0000	OK
5760 minute winter	SW38	3960	13.093	0.423	0.4	18.9590	0.0000	SURCHARGED
5760 minute winter	SW39	3780	12.772	0.472	0.3	18.3915	0.0000	FLOOD RISK
5760 minute winter	SW40	3840	10.239	0.001	1.6	0.0007	0.0000	OK
5760 minute winter	SW41	3780	12.580	0.360	0.3	17.5002	0.0000	FLOOD RISK
5760 minute winter	SW42	2220	12.828	0.008	0.1	0.0000	0.0000	OK
5760 minute winter	SW43	2880	12.309	0.009	0.1	0.0026	0.0000	OK
5760 minute winter	SW44	2220	12.219	0.009	0.1	0.0026	0.0000	OK
5760 minute winter	SW45	2940	12.172	0.013	0.2	0.0036	0.0000	OK
5760 minute winter	SW46	2940	12.049	0.011	0.2	0.0031	0.0000	OK
5760 minute winter	SW47	2940	11.163	0.018	0.4	0.0050	0.0000	OK
5760 minute winter	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW49	2940	11.909	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	SW50	2940	11.810	0.009	0.1	0.0015	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	SW26	6.002	SW28	0.2	0.328	0.033	0.0038	
5760 minute winter	SW27	7.000	SW26	0.0	0.000	0.000	0.0011	
5760 minute winter	SW28	6.003	SW30	0.3	0.370	0.017	0.0029	
5760 minute winter	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
5760 minute winter	SW30	6.004	SW31	0.3	0.376	0.017	0.0031	
5760 minute winter	SW31	Flow through Pond	SW32	0.2	0.001	0.000	17.9520	
5760 minute winter	SW32	6.005	SW33	0.1	0.303	0.021	0.0015	
5760 minute winter	SW33	6.006	SW35	0.3	0.356	0.014	0.0105	
5760 minute winter	SW34	9.000	SW33	0.1	0.387	0.015	0.0005	
5760 minute winter	SW35	6.007	SW36	0.3	0.357	0.014	0.0051	
5760 minute winter	SW36	6.008	SW37	0.3	0.292	0.014	0.0140	
5760 minute winter	SW37	6.009	SW23	0.4	0.309	0.025	0.0254	
5760 minute winter	SW38	10.000	SW37	0.2	0.433	0.022	0.0006	
5760 minute winter	SW39	11.000	SW23	0.1	0.374	0.013	0.0004	
5760 minute winter	SW40	Pump		1.6				349.7
5760 minute winter	SW41	12.000	SW40	0.1	0.384	0.014	0.0007	
5760 minute winter	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
5760 minute winter	SW43	13.001	SW44	0.1	0.287	0.017	0.0032	
5760 minute winter	SW44	13.002	SW45	0.1	0.281	0.017	0.0024	
5760 minute winter	SW45	13.003	SW46	0.2	0.380	0.033	0.0064	
5760 minute winter	SW46	13.004	SW47	0.2	0.431	0.025	0.0065	
5760 minute winter	SW47	17.000	SW55	0.4	0.427	0.066	0.0139	
5760 minute winter	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
5760 minute winter	SW49	15.000	SW50	0.1	0.282	0.017	0.0035	
5760 minute winter	SW50	15.001	SW51	0.1	0.314	0.017	0.0041	

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Results for 100 year +45% CC 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	SW51	2940	11.680	0.008	0.1	0.0012	0.0000	OK
5760 minute winter	SW52	2940	11.213	0.013	0.2	0.0035	0.0000	OK
5760 minute winter	SW53	2520	11.909	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	SW54	2520	11.280	0.009	0.1	0.0026	0.0000	OK
5760 minute winter	SW55	2940	11.015	0.018	0.4	0.0013	0.0000	OK
5760 minute winter	SW56	3660	10.593	0.300	0.4	0.0000	0.0000	OK
5760 minute winter	SW57	3660	10.594	0.310	0.2	0.0877	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	SW51	15.002	SW52	0.1	0.242	0.012	0.0104	
5760 minute winter	SW52	15.003	SW47	0.2	0.272	0.033	0.0041	
5760 minute winter	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
5760 minute winter	SW54	16.001	SW52	0.1	0.287	0.017	0.0032	
5760 minute winter	SW55	17.001	SW56	0.4	0.431	0.066	0.0012	
5760 minute winter	SW56	Flow through Pond	SW57	0.2	0.004	0.000	10.4243	
5760 minute winter	SW57	17.002	SW40	0.1	0.517	0.015	0.0012	

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Results for 100 year +45% CC 7200 minute summer. 7440 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	SW1	4980	13.460	0.570	1.3	92.2103	0.0000	FLOOD RISK
7200 minute summer	SW2	4980	12.594	0.012	0.2	0.0034	0.0000	OK
7200 minute summer	SW3	4980	12.455	0.011	0.2	0.0032	0.0000	OK
7200 minute summer	SW4	4440	12.243	0.014	0.3	0.0000	0.0000	OK
7200 minute summer	SW5	3660	13.113	0.013	0.2	0.0000	0.0000	OK
7200 minute summer	SW6	3660	13.045	0.013	0.2	0.0020	0.0000	OK
7200 minute summer	SW7	3660	12.956	0.013	0.2	0.0009	0.0000	OK
7200 minute summer	SW8	4260	12.748	0.493	0.2	0.0000	0.0000	OK
7200 minute summer	SW9	4260	12.748	0.505	0.3	0.1429	0.0000	SURCHARGED
7200 minute summer	SW10	3120	13.126	0.006	0.1	0.0000	0.0000	OK
7200 minute summer	SW11	4260	12.748	0.493	0.1	0.0000	0.0000	OK
7200 minute summer	SW12	4440	11.887	0.014	0.3	0.0041	0.0000	OK
7200 minute summer	SW13	4500	11.648	0.019	0.7	0.0160	0.0000	OK
7200 minute summer	SW14	4200	13.442	0.322	0.3	11.2511	0.0000	FLOOD RISK
7200 minute summer	SW15	4200	12.902	0.010	0.1	0.0028	0.0000	OK
7200 minute summer	SW16	4200	12.832	0.010	0.1	0.0027	0.0000	OK
7200 minute summer	SW17	4920	12.688	0.011	0.3	0.0092	0.0000	OK
7200 minute summer	SW18	5760	13.344	0.474	1.3	100.2801	0.0000	FLOOD RISK
7200 minute summer	SW19	4860	12.566	0.013	0.4	0.0036	0.0000	OK
7200 minute summer	SW20	4140	12.844	0.274	0.3	10.2012	0.0000	FLOOD RISK
7200 minute summer	SW21	4440	11.577	0.019	0.8	0.0055	0.0000	OK
7200 minute summer	SW22	4440	12.305	0.345	0.4	20.7086	0.0000	FLOOD RISK
7200 minute summer	SW23	4440	11.034	0.025	1.4	0.0069	0.0000	OK
7200 minute summer	SW24	3660	12.855	0.015	0.3	0.0000	0.0000	OK
7200 minute summer	SW25	3660	12.672	0.015	0.3	0.0043	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	SW1	1.000	SW2	0.2	0.344	0.013	0.0201	
7200 minute summer	SW2	1.001	SW3	0.2	0.358	0.013	0.0086	
7200 minute summer	SW3	1.002	SW4	0.2	0.355	0.011	0.0120	
7200 minute summer	SW4	1.008	SW12	0.3	0.393	0.019	0.0306	
7200 minute summer	SW5	1.003	SW6	0.2	0.354	0.033	0.0038	
7200 minute summer	SW6	1.004	SW7	0.2	0.345	0.033	0.0051	
7200 minute summer	SW7	1.005	SW8	0.2	0.343	0.033	0.0006	
7200 minute summer	SW8	Flow through Pond	SW9	0.3	0.002	0.000	8.5318	
7200 minute summer	SW9	1.007	SW4	0.1	0.223	0.020	0.0007	
7200 minute summer	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
7200 minute summer	SW11	Flow through Pond	SW9	0.3	0.002	0.000	8.5318	
7200 minute summer	SW12	1.009	SW13	0.3	0.325	0.019	0.0256	
7200 minute summer	SW13	1.010	SW21	0.7	0.440	0.013	0.0113	
7200 minute summer	SW14	2.000	SW15	0.1	0.300	0.019	0.0089	
7200 minute summer	SW15	2.001	SW16	0.1	0.301	0.019	0.0027	
7200 minute summer	SW16	2.002	SW17	0.1	0.283	0.019	0.0060	
7200 minute summer	SW17	2.003	SW19	0.3	0.401	0.010	0.0038	
7200 minute summer	SW18	3.000	SW17	0.1	0.371	0.006	0.0004	
7200 minute summer	SW19	2.004	SW13	0.4	0.505	0.014	0.0037	
7200 minute summer	SW20	4.000	SW19	0.1	0.230	0.018	0.0008	
7200 minute summer	SW21	1.011	SW23	0.8	0.414	0.015	0.1004	
7200 minute summer	SW22	5.000	SW21	0.1	0.197	0.012	0.0101	
7200 minute summer	SW23	6.010	SW40	1.4	0.606	0.024	0.0191	
7200 minute summer	SW24	6.000	SW25	0.3	0.402	0.050	0.0137	
7200 minute summer	SW25	6.001	SW26	0.3	0.360	0.050	0.0181	

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Results for 100 year +45% CC 7200 minute summer. 7440 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	SW26	3660	12.458	0.018	0.4	0.0000	0.0000	OK
7200 minute summer	SW27	3660	12.805	0.005	0.1	0.0000	0.0000	OK
7200 minute summer	SW28	3660	12.396	0.018	0.5	0.0155	0.0000	OK
7200 minute summer	SW29	3000	12.839	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	SW30	3660	12.360	0.018	0.5	0.0153	0.0000	OK
7200 minute summer	SW31	4380	12.207	0.549	0.5	0.0000	0.0000	OK
7200 minute summer	SW32	4380	12.207	0.553	0.3	0.1566	0.0000	SURCHARGED
7200 minute summer	SW33	4680	11.582	0.013	0.3	0.0110	0.0000	OK
7200 minute summer	SW34	4740	13.767	0.417	0.6	40.3508	0.0000	FLOOD RISK
7200 minute summer	SW35	4680	11.432	0.013	0.3	0.0036	0.0000	OK
7200 minute summer	SW36	4680	11.359	0.013	0.3	0.0036	0.0000	OK
7200 minute summer	SW37	4500	11.201	0.017	0.5	0.0143	0.0000	OK
7200 minute summer	SW38	4500	13.104	0.434	0.5	19.4520	0.0000	FLOOD RISK
7200 minute summer	SW39	4380	12.775	0.475	0.4	18.5243	0.0000	FLOOD RISK
7200 minute summer	SW40	4380	10.239	0.001	1.6	0.0007	0.0000	OK
7200 minute summer	SW41	4380	12.584	0.364	0.4	17.6953	0.0000	FLOOD RISK
7200 minute summer	SW42	3000	12.828	0.008	0.1	0.0000	0.0000	OK
7200 minute summer	SW43	3360	12.309	0.009	0.1	0.0026	0.0000	OK
7200 minute summer	SW44	3000	12.219	0.009	0.1	0.0026	0.0000	OK
7200 minute summer	SW45	3420	12.172	0.013	0.2	0.0036	0.0000	OK
7200 minute summer	SW46	3420	12.049	0.011	0.2	0.0031	0.0000	OK
7200 minute summer	SW47	3660	11.165	0.020	0.5	0.0055	0.0000	OK
7200 minute summer	SW48	3660	11.909	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	SW49	3420	11.909	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	SW50	3420	11.810	0.009	0.1	0.0015	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	SW26	6.002	SW28	0.4	0.428	0.066	0.0058	
7200 minute summer	SW27	7.000	SW26	0.1	0.202	0.005	0.0021	
7200 minute summer	SW28	6.003	SW30	0.5	0.427	0.028	0.0042	
7200 minute summer	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
7200 minute summer	SW30	6.004	SW31	0.5	0.437	0.028	0.0044	
7200 minute summer	SW31	Flow through Pond	SW32	0.3	0.001	0.000	17.8151	
7200 minute summer	SW32	6.005	SW33	0.1	0.303	0.021	0.0015	
7200 minute summer	SW33	6.006	SW35	0.3	0.359	0.014	0.0107	
7200 minute summer	SW34	9.000	SW33	0.1	0.392	0.016	0.0005	
7200 minute summer	SW35	6.007	SW36	0.3	0.359	0.014	0.0052	
7200 minute summer	SW36	6.008	SW37	0.3	0.295	0.014	0.0142	
7200 minute summer	SW37	6.009	SW23	0.5	0.312	0.025	0.0256	
7200 minute summer	SW38	10.000	SW37	0.2	0.435	0.023	0.0006	
7200 minute summer	SW39	11.000	SW23	0.1	0.374	0.013	0.0004	
7200 minute summer	SW40	Pump		1.6				396.5
7200 minute summer	SW41	12.000	SW40	0.1	0.385	0.015	0.0007	
7200 minute summer	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
7200 minute summer	SW43	13.001	SW44	0.1	0.287	0.017	0.0032	
7200 minute summer	SW44	13.002	SW45	0.1	0.281	0.017	0.0024	
7200 minute summer	SW45	13.003	SW46	0.2	0.380	0.033	0.0064	
7200 minute summer	SW46	13.004	SW47	0.2	0.431	0.025	0.0065	
7200 minute summer	SW47	17.000	SW55	0.5	0.455	0.083	0.0163	
7200 minute summer	SW48	14.000	SW47	0.1	0.288	0.017	0.0048	
7200 minute summer	SW49	15.000	SW50	0.1	0.282	0.017	0.0035	
7200 minute summer	SW50	15.001	SW51	0.1	0.314	0.017	0.0041	

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Results for 100 year +45% CC 7200 minute summer. 7440 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	SW51	3420	11.680	0.008	0.1	0.0012	0.0000	OK
7200 minute summer	SW52	3420	11.213	0.013	0.2	0.0035	0.0000	OK
7200 minute summer	SW53	3300	11.909	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	SW54	3300	11.280	0.009	0.1	0.0026	0.0000	OK
7200 minute summer	SW55	3660	11.017	0.020	0.5	0.0014	0.0000	OK
7200 minute summer	SW56	4080	10.732	0.438	0.5	0.0000	0.0000	OK
7200 minute summer	SW57	4080	10.732	0.448	0.3	0.1269	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	SW51	15.002	SW52	0.1	0.242	0.012	0.0104	
7200 minute summer	SW52	15.003	SW47	0.2	0.272	0.033	0.0046	
7200 minute summer	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
7200 minute summer	SW54	16.001	SW52	0.1	0.287	0.017	0.0032	
7200 minute summer	SW55	17.001	SW56	0.5	0.459	0.083	0.0014	
7200 minute summer	SW56	Flow through Pond	SW57	0.3	0.004	0.000	15.1653	
7200 minute summer	SW57	17.002	SW40	0.1	0.537	0.018	0.0014	

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Results for 100 year +45% CC 7200 minute winter. 7440 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	SW1	5280	13.457	0.567	0.9	91.6976	0.0000	FLOOD RISK
7200 minute winter	SW2	5280	12.594	0.012	0.2	0.0034	0.0000	OK
7200 minute winter	SW3	5280	12.455	0.011	0.2	0.0032	0.0000	OK
7200 minute winter	SW4	4680	12.243	0.014	0.3	0.0000	0.0000	OK
7200 minute winter	SW5	2640	13.109	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	SW6	2640	13.041	0.009	0.1	0.0014	0.0000	OK
7200 minute winter	SW7	2640	12.952	0.009	0.1	0.0007	0.0000	OK
7200 minute winter	SW8	4260	12.741	0.486	0.1	0.0000	0.0000	OK
7200 minute winter	SW9	4260	12.741	0.498	0.2	0.1409	0.0000	SURCHARGED
7200 minute winter	SW10	3120	13.126	0.006	0.1	0.0000	0.0000	OK
7200 minute winter	SW11	4260	12.741	0.486	0.1	0.0000	0.0000	OK
7200 minute winter	SW12	4680	11.887	0.014	0.3	0.0041	0.0000	OK
7200 minute winter	SW13	4740	11.647	0.018	0.7	0.0159	0.0000	OK
7200 minute winter	SW14	4200	13.421	0.301	0.2	10.5002	0.0000	FLOOD RISK
7200 minute winter	SW15	4200	12.902	0.010	0.1	0.0027	0.0000	OK
7200 minute winter	SW16	4200	12.832	0.010	0.1	0.0027	0.0000	OK
7200 minute winter	SW17	5280	12.688	0.011	0.2	0.0092	0.0000	OK
7200 minute winter	SW18	5880	13.342	0.472	0.8	99.8552	0.0000	FLOOD RISK
7200 minute winter	SW19	5220	12.566	0.013	0.4	0.0036	0.0000	OK
7200 minute winter	SW20	4080	12.825	0.255	0.2	9.4833	0.0000	FLOOD RISK
7200 minute winter	SW21	4740	11.577	0.019	0.8	0.0054	0.0000	OK
7200 minute winter	SW22	4620	12.276	0.316	0.3	18.9815	0.0000	FLOOD RISK
7200 minute winter	SW23	4740	11.033	0.024	1.3	0.0068	0.0000	OK
7200 minute winter	SW24	3420	12.853	0.013	0.2	0.0000	0.0000	OK
7200 minute winter	SW25	3420	12.670	0.013	0.2	0.0035	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	SW1	1.000	SW2	0.2	0.343	0.013	0.0201	
7200 minute winter	SW2	1.001	SW3	0.2	0.358	0.013	0.0086	
7200 minute winter	SW3	1.002	SW4	0.2	0.355	0.011	0.0120	
7200 minute winter	SW4	1.008	SW12	0.3	0.392	0.019	0.0303	
7200 minute winter	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
7200 minute winter	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
7200 minute winter	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
7200 minute winter	SW8	Flow through Pond	SW9	0.2	0.002	0.000	8.4075	
7200 minute winter	SW9	1.007	SW4	0.1	0.225	0.020	0.0007	
7200 minute winter	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
7200 minute winter	SW11	Flow through Pond	SW9	0.2	0.002	0.000	8.4075	
7200 minute winter	SW12	1.009	SW13	0.3	0.324	0.019	0.0253	
7200 minute winter	SW13	1.010	SW21	0.7	0.437	0.013	0.0111	
7200 minute winter	SW14	2.000	SW15	0.1	0.297	0.019	0.0086	
7200 minute winter	SW15	2.001	SW16	0.1	0.298	0.019	0.0026	
7200 minute winter	SW16	2.002	SW17	0.1	0.280	0.019	0.0059	
7200 minute winter	SW17	2.003	SW19	0.2	0.400	0.010	0.0038	
7200 minute winter	SW18	3.000	SW17	0.1	0.371	0.006	0.0004	
7200 minute winter	SW19	2.004	SW13	0.4	0.502	0.014	0.0036	
7200 minute winter	SW20	4.000	SW19	0.1	0.229	0.017	0.0008	
7200 minute winter	SW21	1.011	SW23	0.8	0.412	0.015	0.0985	
7200 minute winter	SW22	5.000	SW21	0.1	0.191	0.012	0.0099	
7200 minute winter	SW23	6.010	SW40	1.3	0.600	0.023	0.0187	
7200 minute winter	SW24	6.000	SW25	0.2	0.355	0.033	0.0103	
7200 minute winter	SW25	6.001	SW26	0.2	0.355	0.033	0.0122	

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Results for 100 year +45% CC 7200 minute winter. 7440 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	SW26	3420	12.452	0.012	0.2	0.0000	0.0000	OK
7200 minute winter	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW28	3420	12.392	0.014	0.3	0.0121	0.0000	OK
7200 minute winter	SW29	2880	12.839	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	SW30	3420	12.356	0.014	0.3	0.0120	0.0000	OK
7200 minute winter	SW31	4500	12.183	0.525	0.3	0.0000	0.0000	OK
7200 minute winter	SW32	4500	12.183	0.529	0.2	0.1498	0.0000	SURCHARGED
7200 minute winter	SW33	4980	11.582	0.013	0.2	0.0108	0.0000	OK
7200 minute winter	SW34	5040	13.742	0.392	0.4	37.9103	0.0000	FLOOD RISK
7200 minute winter	SW35	4980	11.432	0.013	0.2	0.0036	0.0000	OK
7200 minute winter	SW36	4980	11.358	0.012	0.2	0.0035	0.0000	OK
7200 minute winter	SW37	4800	11.200	0.016	0.4	0.0141	0.0000	OK
7200 minute winter	SW38	4800	13.071	0.401	0.3	17.9908	0.0000	SURCHARGED
7200 minute winter	SW39	4560	12.719	0.419	0.2	16.2858	0.0000	FLOOD RISK
7200 minute winter	SW40	4620	10.239	0.001	1.5	0.0007	0.0000	OK
7200 minute winter	SW41	4560	12.537	0.317	0.2	15.3803	0.0000	FLOOD RISK
7200 minute winter	SW42	2880	12.828	0.008	0.1	0.0000	0.0000	OK
7200 minute winter	SW43	2880	12.309	0.009	0.1	0.0026	0.0000	OK
7200 minute winter	SW44	2880	12.219	0.009	0.1	0.0026	0.0000	OK
7200 minute winter	SW45	2880	12.168	0.009	0.1	0.0026	0.0000	OK
7200 minute winter	SW46	2880	12.046	0.008	0.1	0.0022	0.0000	OK
7200 minute winter	SW47	3420	11.158	0.013	0.2	0.0035	0.0000	OK
7200 minute winter	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW49	60	11.900	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW50	60	11.801	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	SW26	6.002	SW28	0.2	0.328	0.033	0.0038	
7200 minute winter	SW27	7.000	SW26	0.0	0.000	0.000	0.0011	
7200 minute winter	SW28	6.003	SW30	0.3	0.370	0.017	0.0029	
7200 minute winter	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
7200 minute winter	SW30	6.004	SW31	0.3	0.376	0.017	0.0031	
7200 minute winter	SW31	Flow through Pond	SW32	0.2	0.001	0.000	17.0330	
7200 minute winter	SW32	6.005	SW33	0.1	0.301	0.020	0.0014	
7200 minute winter	SW33	6.006	SW35	0.2	0.355	0.014	0.0105	
7200 minute winter	SW34	9.000	SW33	0.1	0.389	0.015	0.0005	
7200 minute winter	SW35	6.007	SW36	0.2	0.356	0.014	0.0051	
7200 minute winter	SW36	6.008	SW37	0.2	0.293	0.014	0.0139	
7200 minute winter	SW37	6.009	SW23	0.4	0.309	0.025	0.0250	
7200 minute winter	SW38	10.000	SW37	0.2	0.430	0.022	0.0006	
7200 minute winter	SW39	11.000	SW23	0.1	0.367	0.013	0.0004	
7200 minute winter	SW40	Pump		1.5				400.6
7200 minute winter	SW41	12.000	SW40	0.1	0.377	0.014	0.0007	
7200 minute winter	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
7200 minute winter	SW43	13.001	SW44	0.1	0.286	0.017	0.0032	
7200 minute winter	SW44	13.002	SW45	0.1	0.281	0.017	0.0018	
7200 minute winter	SW45	13.003	SW46	0.1	0.310	0.017	0.0039	
7200 minute winter	SW46	13.004	SW47	0.1	0.349	0.012	0.0040	
7200 minute winter	SW47	17.000	SW55	0.2	0.350	0.033	0.0085	
7200 minute winter	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
7200 minute winter	SW49	15.000	SW50	0.0	0.000	0.000	0.0000	
7200 minute winter	SW50	15.001	SW51	0.0	0.000	0.000	0.0000	

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Results for 100 year +45% CC 7200 minute winter. 7440 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	SW51	60	11.672	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW52	3420	11.209	0.009	0.1	0.0026	0.0000	OK
7200 minute winter	SW53	3420	11.909	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	SW54	3420	11.280	0.009	0.1	0.0026	0.0000	OK
7200 minute winter	SW55	3420	11.010	0.013	0.2	0.0009	0.0000	OK
7200 minute winter	SW56	4440	10.518	0.224	0.2	0.0000	0.0000	OK
7200 minute winter	SW57	4440	10.518	0.234	0.1	0.0662	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	SW51	15.002	SW52	0.0	0.000	0.000	0.0043	
7200 minute winter	SW52	15.003	SW47	0.1	0.222	0.017	0.0025	
7200 minute winter	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
7200 minute winter	SW54	16.001	SW52	0.1	0.287	0.017	0.0025	
7200 minute winter	SW55	17.001	SW56	0.2	0.353	0.033	0.0007	
7200 minute winter	SW56	Flow through Pond	SW57	0.1	0.004	0.000	7.8285	
7200 minute winter	SW57	17.002	SW40	0.1	0.502	0.013	0.0010	

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Results for 100 year +45% CC 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	SW1	5820	13.470	0.580	1.2	93.9273	0.0000	FLOOD RISK
8640 minute summer	SW2	5820	12.594	0.012	0.2	0.0034	0.0000	OK
8640 minute summer	SW3	5820	12.455	0.011	0.2	0.0032	0.0000	OK
8640 minute summer	SW4	5280	12.243	0.014	0.3	0.0000	0.0000	OK
8640 minute summer	SW5	3480	13.109	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	SW6	3480	13.041	0.009	0.1	0.0014	0.0000	OK
8640 minute summer	SW7	3480	12.952	0.009	0.1	0.0007	0.0000	OK
8640 minute summer	SW8	4980	12.731	0.476	0.1	0.0000	0.0000	OK
8640 minute summer	SW9	4980	12.731	0.488	0.2	0.1380	0.0000	SURCHARGED
8640 minute summer	SW10	3840	13.126	0.006	0.1	0.0000	0.0000	OK
8640 minute summer	SW11	4980	12.731	0.476	0.1	0.0000	0.0000	OK
8640 minute summer	SW12	5280	11.887	0.014	0.3	0.0041	0.0000	OK
8640 minute summer	SW13	5340	11.647	0.018	0.7	0.0160	0.0000	OK
8640 minute summer	SW14	4920	13.431	0.311	0.3	10.8401	0.0000	FLOOD RISK
8640 minute summer	SW15	4920	12.902	0.010	0.1	0.0027	0.0000	OK
8640 minute summer	SW16	4920	12.832	0.010	0.1	0.0027	0.0000	OK
8640 minute summer	SW17	5760	12.688	0.011	0.3	0.0092	0.0000	OK
8640 minute summer	SW18	6540	13.355	0.485	1.1	102.6083	0.0000	FLOOD RISK
8640 minute summer	SW19	5700	12.566	0.013	0.4	0.0036	0.0000	OK
8640 minute summer	SW20	4860	12.834	0.264	0.2	9.7959	0.0000	FLOOD RISK
8640 minute summer	SW21	5280	11.577	0.019	0.8	0.0055	0.0000	OK
8640 minute summer	SW22	5220	12.295	0.335	0.4	20.1209	0.0000	FLOOD RISK
8640 minute summer	SW23	5280	11.033	0.024	1.4	0.0069	0.0000	OK
8640 minute summer	SW24	4020	12.853	0.013	0.2	0.0000	0.0000	OK
8640 minute summer	SW25	4020	12.670	0.013	0.2	0.0035	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	SW1	1.000	SW2	0.2	0.345	0.013	0.0202	
8640 minute summer	SW2	1.001	SW3	0.2	0.359	0.013	0.0087	
8640 minute summer	SW3	1.002	SW4	0.2	0.356	0.011	0.0121	
8640 minute summer	SW4	1.008	SW12	0.3	0.393	0.019	0.0305	
8640 minute summer	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
8640 minute summer	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
8640 minute summer	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
8640 minute summer	SW8	Flow through Pond	SW9	0.2	0.002	0.000	8.2328	
8640 minute summer	SW9	1.007	SW4	0.1	0.221	0.019	0.0007	
8640 minute summer	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
8640 minute summer	SW11	Flow through Pond	SW9	0.2	0.002	0.000	8.2328	
8640 minute summer	SW12	1.009	SW13	0.3	0.325	0.019	0.0255	
8640 minute summer	SW13	1.010	SW21	0.7	0.439	0.013	0.0112	
8640 minute summer	SW14	2.000	SW15	0.1	0.299	0.019	0.0087	
8640 minute summer	SW15	2.001	SW16	0.1	0.299	0.019	0.0027	
8640 minute summer	SW16	2.002	SW17	0.1	0.280	0.019	0.0060	
8640 minute summer	SW17	2.003	SW19	0.3	0.402	0.010	0.0038	
8640 minute summer	SW18	3.000	SW17	0.1	0.372	0.006	0.0004	
8640 minute summer	SW19	2.004	SW13	0.4	0.504	0.014	0.0037	
8640 minute summer	SW20	4.000	SW19	0.1	0.228	0.017	0.0008	
8640 minute summer	SW21	1.011	SW23	0.8	0.414	0.015	0.0997	
8640 minute summer	SW22	5.000	SW21	0.1	0.195	0.012	0.0101	
8640 minute summer	SW23	6.010	SW40	1.4	0.603	0.023	0.0190	
8640 minute summer	SW24	6.000	SW25	0.2	0.355	0.033	0.0103	
8640 minute summer	SW25	6.001	SW26	0.2	0.355	0.033	0.0122	

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Results for 100 year +45% CC 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	SW26	4020	12.452	0.012	0.2	0.0000	0.0000	OK
8640 minute summer	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	SW28	4020	12.392	0.014	0.3	0.0121	0.0000	OK
8640 minute summer	SW29	3720	12.839	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	SW30	4020	12.356	0.014	0.3	0.0120	0.0000	OK
8640 minute summer	SW31	5100	12.178	0.520	0.3	0.0000	0.0000	OK
8640 minute summer	SW32	5100	12.178	0.524	0.2	0.1483	0.0000	SURCHARGED
8640 minute summer	SW33	5460	11.582	0.013	0.2	0.0109	0.0000	OK
8640 minute summer	SW34	5520	13.746	0.396	0.5	38.3098	0.0000	FLOOD RISK
8640 minute summer	SW35	5460	11.432	0.013	0.2	0.0036	0.0000	OK
8640 minute summer	SW36	5460	11.359	0.012	0.2	0.0035	0.0000	OK
8640 minute summer	SW37	5280	11.200	0.016	0.4	0.0142	0.0000	OK
8640 minute summer	SW38	5280	13.085	0.415	0.4	18.5947	0.0000	SURCHARGED
8640 minute summer	SW39	5160	12.761	0.461	0.3	17.9614	0.0000	FLOOD RISK
8640 minute summer	SW40	5220	10.239	0.001	1.6	0.0007	0.0000	OK
8640 minute summer	SW41	5160	12.572	0.352	0.3	17.0989	0.0000	FLOOD RISK
8640 minute summer	SW42	3720	12.828	0.008	0.1	0.0000	0.0000	OK
8640 minute summer	SW43	4200	12.309	0.009	0.1	0.0026	0.0000	OK
8640 minute summer	SW44	3720	12.219	0.009	0.1	0.0026	0.0000	OK
8640 minute summer	SW45	4260	12.172	0.013	0.2	0.0036	0.0000	OK
8640 minute summer	SW46	4260	12.049	0.011	0.2	0.0031	0.0000	OK
8640 minute summer	SW47	4260	11.163	0.018	0.4	0.0050	0.0000	OK
8640 minute summer	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	SW49	4260	11.909	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	SW50	4260	11.810	0.009	0.1	0.0015	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	SW26	6.002	SW28	0.2	0.328	0.033	0.0038	
8640 minute summer	SW27	7.000	SW26	0.0	0.000	0.000	0.0011	
8640 minute summer	SW28	6.003	SW30	0.3	0.370	0.017	0.0029	
8640 minute summer	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
8640 minute summer	SW30	6.004	SW31	0.3	0.376	0.017	0.0031	
8640 minute summer	SW31	Flow through Pond	SW32	0.2	0.001	0.000	16.8642	
8640 minute summer	SW32	6.005	SW33	0.1	0.300	0.020	0.0014	
8640 minute summer	SW33	6.006	SW35	0.2	0.355	0.014	0.0105	
8640 minute summer	SW34	9.000	SW33	0.1	0.389	0.015	0.0005	
8640 minute summer	SW35	6.007	SW36	0.2	0.356	0.014	0.0051	
8640 minute summer	SW36	6.008	SW37	0.2	0.292	0.014	0.0140	
8640 minute summer	SW37	6.009	SW23	0.4	0.308	0.025	0.0253	
8640 minute summer	SW38	10.000	SW37	0.2	0.432	0.022	0.0006	
8640 minute summer	SW39	11.000	SW23	0.1	0.372	0.013	0.0004	
8640 minute summer	SW40	Pump		1.6				436.2
8640 minute summer	SW41	12.000	SW40	0.1	0.383	0.014	0.0007	
8640 minute summer	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
8640 minute summer	SW43	13.001	SW44	0.1	0.287	0.017	0.0032	
8640 minute summer	SW44	13.002	SW45	0.1	0.281	0.017	0.0024	
8640 minute summer	SW45	13.003	SW46	0.2	0.380	0.033	0.0064	
8640 minute summer	SW46	13.004	SW47	0.2	0.431	0.025	0.0065	
8640 minute summer	SW47	17.000	SW55	0.4	0.427	0.066	0.0139	
8640 minute summer	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
8640 minute summer	SW49	15.000	SW50	0.1	0.282	0.017	0.0035	
8640 minute summer	SW50	15.001	SW51	0.1	0.314	0.017	0.0041	

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Results for 100 year +45% CC 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	SW51	4260	11.680	0.008	0.1	0.0012	0.0000	OK
8640 minute summer	SW52	4260	11.213	0.013	0.2	0.0035	0.0000	OK
8640 minute summer	SW53	4020	11.909	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	SW54	4020	11.280	0.009	0.1	0.0026	0.0000	OK
8640 minute summer	SW55	4260	11.015	0.018	0.4	0.0013	0.0000	OK
8640 minute summer	SW56	5040	10.640	0.346	0.4	0.0000	0.0000	OK
8640 minute summer	SW57	5040	10.640	0.356	0.2	0.1009	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	SW51	15.002	SW52	0.1	0.242	0.012	0.0104	
8640 minute summer	SW52	15.003	SW47	0.2	0.272	0.033	0.0041	
8640 minute summer	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
8640 minute summer	SW54	16.001	SW52	0.1	0.287	0.017	0.0032	
8640 minute summer	SW55	17.001	SW56	0.4	0.431	0.066	0.0012	
8640 minute summer	SW56	Flow through Pond	SW57	0.2	0.004	0.000	12.0233	
8640 minute summer	SW57	17.002	SW40	0.1	0.530	0.016	0.0013	

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Results for 100 year +45% CC 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	SW1	6240	13.452	0.562	0.8	90.9492	0.0000	FLOOD RISK
8640 minute winter	SW2	6240	12.594	0.012	0.2	0.0034	0.0000	OK
8640 minute winter	SW3	6240	12.455	0.011	0.2	0.0032	0.0000	OK
8640 minute winter	SW4	5520	12.243	0.014	0.3	0.0000	0.0000	OK
8640 minute winter	SW5	3240	13.109	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	SW6	3240	13.041	0.009	0.1	0.0014	0.0000	OK
8640 minute winter	SW7	3240	12.952	0.009	0.1	0.0007	0.0000	OK
8640 minute winter	SW8	4920	12.725	0.470	0.1	0.0000	0.0000	OK
8640 minute winter	SW9	4920	12.724	0.481	0.2	0.1363	0.0000	SURCHARGED
8640 minute winter	SW10	3900	13.126	0.006	0.1	0.0000	0.0000	OK
8640 minute winter	SW11	4920	12.725	0.469	0.1	0.0000	0.0000	OK
8640 minute winter	SW12	5520	11.887	0.014	0.3	0.0040	0.0000	OK
8640 minute winter	SW13	5580	11.647	0.018	0.7	0.0156	0.0000	OK
8640 minute winter	SW14	4740	13.381	0.261	0.2	9.0884	0.0000	SURCHARGED
8640 minute winter	SW15	4740	12.901	0.009	0.1	0.0026	0.0000	OK
8640 minute winter	SW16	4740	12.831	0.009	0.1	0.0026	0.0000	OK
8640 minute winter	SW17	6240	12.687	0.010	0.2	0.0091	0.0000	OK
8640 minute winter	SW18	6780	13.349	0.479	0.7	101.3387	0.0000	FLOOD RISK
8640 minute winter	SW19	6180	12.565	0.012	0.3	0.0035	0.0000	OK
8640 minute winter	SW20	6180	12.775	0.205	0.2	7.5834	0.0000	SURCHARGED
8640 minute winter	SW21	5580	11.577	0.019	0.8	0.0053	0.0000	OK
8640 minute winter	SW22	5400	12.261	0.301	0.2	18.0400	0.0000	FLOOD RISK
8640 minute winter	SW23	5580	11.033	0.024	1.3	0.0067	0.0000	OK
8640 minute winter	SW24	5160	12.849	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	SW25	3600	12.666	0.009	0.1	0.0026	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	SW1	1.000	SW2	0.2	0.343	0.013	0.0200	
8640 minute winter	SW2	1.001	SW3	0.2	0.358	0.013	0.0086	
8640 minute winter	SW3	1.002	SW4	0.2	0.355	0.011	0.0119	
8640 minute winter	SW4	1.008	SW12	0.3	0.391	0.019	0.0301	
8640 minute winter	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
8640 minute winter	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
8640 minute winter	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
8640 minute winter	SW8	Flow through Pond	SW9	0.2	0.002	0.000	8.1300	
8640 minute winter	SW9	1.007	SW4	0.1	0.224	0.019	0.0007	
8640 minute winter	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
8640 minute winter	SW11	Flow through Pond	SW9	0.2	0.002	0.000	8.1300	
8640 minute winter	SW12	1.009	SW13	0.3	0.326	0.019	0.0249	
8640 minute winter	SW13	1.010	SW21	0.7	0.433	0.013	0.0109	
8640 minute winter	SW14	2.000	SW15	0.1	0.291	0.017	0.0082	
8640 minute winter	SW15	2.001	SW16	0.1	0.291	0.017	0.0025	
8640 minute winter	SW16	2.002	SW17	0.1	0.272	0.017	0.0057	
8640 minute winter	SW17	2.003	SW19	0.2	0.401	0.010	0.0037	
8640 minute winter	SW18	3.000	SW17	0.1	0.372	0.006	0.0004	
8640 minute winter	SW19	2.004	SW13	0.3	0.495	0.013	0.0035	
8640 minute winter	SW20	4.000	SW19	0.1	0.211	0.015	0.0008	
8640 minute winter	SW21	1.011	SW23	0.8	0.409	0.014	0.0962	
8640 minute winter	SW22	5.000	SW21	0.1	0.190	0.011	0.0097	
8640 minute winter	SW23	6.010	SW40	1.3	0.594	0.022	0.0183	
8640 minute winter	SW24	6.000	SW25	0.1	0.289	0.017	0.0063	
8640 minute winter	SW25	6.001	SW26	0.1	0.289	0.017	0.0076	

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Results for 100 year +45% CC 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	SW26	2700	12.449	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW28	3660	12.389	0.011	0.2	0.0099	0.0000	OK
8640 minute winter	SW29	3660	12.839	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	SW30	3660	12.353	0.011	0.2	0.0099	0.0000	OK
8640 minute winter	SW31	5160	12.087	0.429	0.2	0.0000	0.0000	OK
8640 minute winter	SW32	5160	12.087	0.433	0.2	0.1226	0.0000	SURCHARGED
8640 minute winter	SW33	5940	11.581	0.012	0.2	0.0106	0.0000	OK
8640 minute winter	SW34	5940	13.728	0.378	0.3	36.5267	0.0000	FLOOD RISK
8640 minute winter	SW35	5940	11.431	0.012	0.2	0.0035	0.0000	OK
8640 minute winter	SW36	5940	11.358	0.012	0.2	0.0034	0.0000	OK
8640 minute winter	SW37	5580	11.200	0.016	0.4	0.0137	0.0000	OK
8640 minute winter	SW38	5580	13.041	0.371	0.3	16.6270	0.0000	SURCHARGED
8640 minute winter	SW39	5280	12.726	0.426	0.2	16.5881	0.0000	FLOOD RISK
8640 minute winter	SW40	5520	10.239	0.001	1.5	0.0006	0.0000	OK
8640 minute winter	SW41	5280	12.542	0.322	0.2	15.6393	0.0000	FLOOD RISK
8640 minute winter	SW42	3660	12.828	0.008	0.1	0.0000	0.0000	OK
8640 minute winter	SW43	3660	12.309	0.009	0.1	0.0026	0.0000	OK
8640 minute winter	SW44	3660	12.219	0.009	0.1	0.0026	0.0000	OK
8640 minute winter	SW45	3660	12.168	0.009	0.1	0.0026	0.0000	OK
8640 minute winter	SW46	3660	12.046	0.008	0.1	0.0022	0.0000	OK
8640 minute winter	SW47	3660	11.154	0.009	0.1	0.0026	0.0000	OK
8640 minute winter	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW49	60	11.900	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW50	60	11.801	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	SW26	6.002	SW28	0.1	0.304	0.017	0.0026	
8640 minute winter	SW27	7.000	SW26	0.0	0.000	0.000	0.0007	
8640 minute winter	SW28	6.003	SW30	0.2	0.328	0.011	0.0022	
8640 minute winter	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
8640 minute winter	SW30	6.004	SW31	0.2	0.332	0.011	0.0023	
8640 minute winter	SW31	Flow through Pond	SW32	0.2	0.001	0.000	13.9287	
8640 minute winter	SW32	6.005	SW33	0.1	0.292	0.018	0.0013	
8640 minute winter	SW33	6.006	SW35	0.2	0.349	0.013	0.0101	
8640 minute winter	SW34	9.000	SW33	0.1	0.387	0.015	0.0005	
8640 minute winter	SW35	6.007	SW36	0.2	0.350	0.013	0.0049	
8640 minute winter	SW36	6.008	SW37	0.2	0.288	0.013	0.0134	
8640 minute winter	SW37	6.009	SW23	0.4	0.302	0.023	0.0243	
8640 minute winter	SW38	10.000	SW37	0.2	0.425	0.021	0.0006	
8640 minute winter	SW39	11.000	SW23	0.1	0.368	0.013	0.0004	
8640 minute winter	SW40	Pump		1.5				436.6
8640 minute winter	SW41	12.000	SW40	0.1	0.378	0.014	0.0007	
8640 minute winter	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
8640 minute winter	SW43	13.001	SW44	0.1	0.286	0.017	0.0032	
8640 minute winter	SW44	13.002	SW45	0.1	0.281	0.017	0.0018	
8640 minute winter	SW45	13.003	SW46	0.1	0.310	0.017	0.0039	
8640 minute winter	SW46	13.004	SW47	0.1	0.349	0.012	0.0040	
8640 minute winter	SW47	17.000	SW55	0.1	0.286	0.017	0.0052	
8640 minute winter	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
8640 minute winter	SW49	15.000	SW50	0.0	0.000	0.000	0.0000	
8640 minute winter	SW50	15.001	SW51	0.0	0.000	0.000	0.0000	

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Results for 100 year +45% CC 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	SW51	60	11.672	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW52	60	11.200	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW53	60	11.900	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW54	60	11.271	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW55	3660	11.006	0.009	0.1	0.0006	0.0000	OK
8640 minute winter	SW56	5100	10.433	0.139	0.1	0.0000	0.0000	OK
8640 minute winter	SW57	5100	10.433	0.149	0.1	0.0421	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	SW51	15.002	SW52	0.0	0.000	0.000	0.0000	
8640 minute winter	SW52	15.003	SW47	0.0	0.000	0.000	0.0010	
8640 minute winter	SW53	16.000	SW54	0.0	0.000	0.000	0.0000	
8640 minute winter	SW54	16.001	SW52	0.0	0.000	0.000	0.0000	
8640 minute winter	SW55	17.001	SW56	0.1	0.288	0.017	0.0004	
8640 minute winter	SW56	Flow through Pond	SW57	0.1	0.004	0.000	4.9205	
8640 minute winter	SW57	17.002	SW40	0.1	0.463	0.010	0.0009	

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Results for 100 year +45% CC 10080 minute summer. 10320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	SW1	6660	13.468	0.578	1.1	93.5705	0.0000	FLOOD RISK
10080 minute summer	SW2	6660	12.594	0.012	0.2	0.0034	0.0000	OK
10080 minute summer	SW3	6660	12.455	0.011	0.2	0.0032	0.0000	OK
10080 minute summer	SW4	6060	12.243	0.014	0.3	0.0000	0.0000	OK
10080 minute summer	SW5	4140	13.109	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	SW6	4140	13.041	0.009	0.1	0.0014	0.0000	OK
10080 minute summer	SW7	4140	12.952	0.009	0.1	0.0007	0.0000	OK
10080 minute summer	SW8	5700	12.736	0.481	0.1	0.0000	0.0000	OK
10080 minute summer	SW9	5700	12.736	0.493	0.2	0.1394	0.0000	SURCHARGED
10080 minute summer	SW10	4560	13.126	0.006	0.1	0.0000	0.0000	OK
10080 minute summer	SW11	5700	12.736	0.481	0.1	0.0000	0.0000	OK
10080 minute summer	SW12	6060	11.887	0.014	0.3	0.0041	0.0000	OK
10080 minute summer	SW13	6120	11.647	0.018	0.7	0.0160	0.0000	OK
10080 minute summer	SW14	5640	13.419	0.299	0.2	10.4193	0.0000	FLOOD RISK
10080 minute summer	SW15	5640	12.902	0.010	0.1	0.0027	0.0000	OK
10080 minute summer	SW16	5640	12.832	0.010	0.1	0.0027	0.0000	OK
10080 minute summer	SW17	6600	12.688	0.011	0.3	0.0092	0.0000	OK
10080 minute summer	SW18	7380	13.370	0.500	1.0	105.9005	0.0000	FLOOD RISK
10080 minute summer	SW19	6600	12.566	0.013	0.4	0.0036	0.0000	OK
10080 minute summer	SW20	5520	12.823	0.253	0.2	9.3934	0.0000	FLOOD RISK
10080 minute summer	SW21	6120	11.577	0.019	0.8	0.0054	0.0000	OK
10080 minute summer	SW22	6000	12.287	0.327	0.3	19.6465	0.0000	FLOOD RISK
10080 minute summer	SW23	6120	11.033	0.024	1.4	0.0069	0.0000	OK
10080 minute summer	SW24	4740	12.853	0.013	0.2	0.0000	0.0000	OK
10080 minute summer	SW25	4740	12.670	0.013	0.2	0.0035	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	SW1	1.000	SW2	0.2	0.344	0.013	0.0202	
10080 minute summer	SW2	1.001	SW3	0.2	0.359	0.013	0.0087	
10080 minute summer	SW3	1.002	SW4	0.2	0.356	0.011	0.0120	
10080 minute summer	SW4	1.008	SW12	0.3	0.393	0.019	0.0305	
10080 minute summer	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
10080 minute summer	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
10080 minute summer	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
10080 minute summer	SW8	Flow through Pond	SW9	0.2	0.002	0.000	8.3220	
10080 minute summer	SW9	1.007	SW4	0.1	0.223	0.019	0.0007	
10080 minute summer	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
10080 minute summer	SW11	Flow through Pond	SW9	0.2	0.002	0.000	8.3220	
10080 minute summer	SW12	1.009	SW13	0.3	0.325	0.019	0.0255	
10080 minute summer	SW13	1.010	SW21	0.7	0.439	0.013	0.0112	
10080 minute summer	SW14	2.000	SW15	0.1	0.297	0.019	0.0086	
10080 minute summer	SW15	2.001	SW16	0.1	0.297	0.019	0.0026	
10080 minute summer	SW16	2.002	SW17	0.1	0.277	0.019	0.0059	
10080 minute summer	SW17	2.003	SW19	0.3	0.403	0.010	0.0038	
10080 minute summer	SW18	3.000	SW17	0.1	0.374	0.006	0.0004	
10080 minute summer	SW19	2.004	SW13	0.4	0.504	0.014	0.0037	
10080 minute summer	SW20	4.000	SW19	0.1	0.227	0.017	0.0008	
10080 minute summer	SW21	1.011	SW23	0.8	0.413	0.015	0.0994	
10080 minute summer	SW22	5.000	SW21	0.1	0.193	0.012	0.0100	
10080 minute summer	SW23	6.010	SW40	1.4	0.603	0.023	0.0189	
10080 minute summer	SW24	6.000	SW25	0.2	0.355	0.033	0.0103	
10080 minute summer	SW25	6.001	SW26	0.2	0.355	0.033	0.0122	

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Results for 100 year +45% CC 10080 minute summer. 10320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	SW26	4740	12.452	0.012	0.2	0.0000	0.0000	OK
10080 minute summer	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SW28	4740	12.392	0.014	0.3	0.0121	0.0000	OK
10080 minute summer	SW29	4440	12.839	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	SW30	4740	12.356	0.014	0.3	0.0120	0.0000	OK
10080 minute summer	SW31	5820	12.185	0.527	0.3	0.0000	0.0000	OK
10080 minute summer	SW32	5820	12.185	0.531	0.2	0.1503	0.0000	SURCHARGED
10080 minute summer	SW33	6300	11.582	0.013	0.3	0.0109	0.0000	OK
10080 minute summer	SW34	6360	13.750	0.400	0.5	38.6932	0.0000	FLOOD RISK
10080 minute summer	SW35	6300	11.432	0.013	0.3	0.0036	0.0000	OK
10080 minute summer	SW36	6300	11.359	0.013	0.3	0.0035	0.0000	OK
10080 minute summer	SW37	6120	11.200	0.016	0.4	0.0142	0.0000	OK
10080 minute summer	SW38	6120	13.083	0.413	0.4	18.5010	0.0000	SURCHARGED
10080 minute summer	SW39	5880	12.751	0.451	0.3	17.5717	0.0000	FLOOD RISK
10080 minute summer	SW40	6000	10.239	0.001	1.6	0.0007	0.0000	OK
10080 minute summer	SW41	5880	12.564	0.344	0.3	16.6929	0.0000	FLOOD RISK
10080 minute summer	SW42	4440	12.828	0.008	0.1	0.0000	0.0000	OK
10080 minute summer	SW43	4980	12.309	0.009	0.1	0.0026	0.0000	OK
10080 minute summer	SW44	4440	12.219	0.009	0.1	0.0026	0.0000	OK
10080 minute summer	SW45	5040	12.172	0.013	0.2	0.0036	0.0000	OK
10080 minute summer	SW46	5040	12.049	0.011	0.2	0.0031	0.0000	OK
10080 minute summer	SW47	5040	11.163	0.018	0.4	0.0050	0.0000	OK
10080 minute summer	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SW49	5040	11.909	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	SW50	5040	11.810	0.009	0.1	0.0015	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	SW26	6.002	SW28	0.2	0.328	0.033	0.0038	
10080 minute summer	SW27	7.000	SW26	0.0	0.000	0.000	0.0011	
10080 minute summer	SW28	6.003	SW30	0.3	0.370	0.017	0.0029	
10080 minute summer	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
10080 minute summer	SW30	6.004	SW31	0.3	0.376	0.017	0.0031	
10080 minute summer	SW31	Flow through Pond	SW32	0.2	0.001	0.000	17.0999	
10080 minute summer	SW32	6.005	SW33	0.1	0.301	0.020	0.0014	
10080 minute summer	SW33	6.006	SW35	0.3	0.356	0.014	0.0105	
10080 minute summer	SW34	9.000	SW33	0.1	0.390	0.015	0.0005	
10080 minute summer	SW35	6.007	SW36	0.3	0.357	0.014	0.0051	
10080 minute summer	SW36	6.008	SW37	0.3	0.293	0.014	0.0140	
10080 minute summer	SW37	6.009	SW23	0.4	0.309	0.025	0.0252	
10080 minute summer	SW38	10.000	SW37	0.2	0.432	0.022	0.0006	
10080 minute summer	SW39	11.000	SW23	0.1	0.371	0.013	0.0004	
10080 minute summer	SW40	Pump		1.6				476.6
10080 minute summer	SW41	12.000	SW40	0.1	0.382	0.014	0.0007	
10080 minute summer	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
10080 minute summer	SW43	13.001	SW44	0.1	0.287	0.017	0.0032	
10080 minute summer	SW44	13.002	SW45	0.1	0.281	0.017	0.0024	
10080 minute summer	SW45	13.003	SW46	0.2	0.380	0.033	0.0064	
10080 minute summer	SW46	13.004	SW47	0.2	0.431	0.025	0.0065	
10080 minute summer	SW47	17.000	SW55	0.4	0.427	0.066	0.0139	
10080 minute summer	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
10080 minute summer	SW49	15.000	SW50	0.1	0.282	0.017	0.0035	
10080 minute summer	SW50	15.001	SW51	0.1	0.314	0.017	0.0041	

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Results for 100 year +45% CC 10080 minute summer. 10320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	SW51	5040	11.680	0.008	0.1	0.0012	0.0000	OK
10080 minute summer	SW52	5040	11.213	0.013	0.2	0.0035	0.0000	OK
10080 minute summer	SW53	4740	11.909	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	SW54	4740	11.280	0.009	0.1	0.0026	0.0000	OK
10080 minute summer	SW55	5040	11.015	0.018	0.4	0.0013	0.0000	OK
10080 minute summer	SW56	5760	10.606	0.312	0.4	0.0000	0.0000	OK
10080 minute summer	SW57	5760	10.606	0.322	0.2	0.0911	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	SW51	15.002	SW52	0.1	0.242	0.012	0.0104	
10080 minute summer	SW52	15.003	SW47	0.2	0.272	0.033	0.0041	
10080 minute summer	SW53	16.000	SW54	0.1	0.287	0.017	0.0012	
10080 minute summer	SW54	16.001	SW52	0.1	0.287	0.017	0.0032	
10080 minute summer	SW55	17.001	SW56	0.4	0.431	0.066	0.0012	
10080 minute summer	SW56	Flow through Pond	SW57	0.2	0.004	0.000	10.8410	
10080 minute summer	SW57	17.002	SW40	0.1	0.523	0.016	0.0012	

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Results for 100 year +45% CC 10080 minute winter. 10320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	SW1	7140	13.463	0.573	0.7	92.7120	0.0000	FLOOD RISK
10080 minute winter	SW2	7140	12.594	0.012	0.2	0.0034	0.0000	OK
10080 minute winter	SW3	7140	12.455	0.011	0.2	0.0032	0.0000	OK
10080 minute winter	SW4	6240	12.243	0.014	0.3	0.0000	0.0000	OK
10080 minute winter	SW5	3960	13.109	0.009	0.1	0.0000	0.0000	OK
10080 minute winter	SW6	3960	13.041	0.009	0.1	0.0014	0.0000	OK
10080 minute winter	SW7	3960	12.952	0.009	0.1	0.0007	0.0000	OK
10080 minute winter	SW8	5400	12.610	0.355	0.1	0.0000	0.0000	OK
10080 minute winter	SW9	5400	12.610	0.367	0.1	0.1037	0.0000	SURCHARGED
10080 minute winter	SW10	4860	13.126	0.006	0.1	0.0000	0.0000	OK
10080 minute winter	SW11	5400	12.610	0.355	0.1	0.0000	0.0000	OK
10080 minute winter	SW12	6240	11.887	0.014	0.3	0.0040	0.0000	OK
10080 minute winter	SW13	6300	11.647	0.018	0.6	0.0152	0.0000	OK
10080 minute winter	SW14	7140	13.319	0.199	0.1	6.8916	0.0000	SURCHARGED
10080 minute winter	SW15	7140	12.901	0.009	0.1	0.0025	0.0000	OK
10080 minute winter	SW16	7140	12.831	0.009	0.1	0.0024	0.0000	OK
10080 minute winter	SW17	7140	12.687	0.010	0.2	0.0089	0.0000	OK
10080 minute winter	SW18	7740	13.359	0.489	0.7	103.4882	0.0000	FLOOD RISK
10080 minute winter	SW19	7080	12.565	0.012	0.3	0.0035	0.0000	OK
10080 minute winter	SW20	7080	12.763	0.193	0.1	7.1273	0.0000	SURCHARGED
10080 minute winter	SW21	6300	11.576	0.018	0.7	0.0052	0.0000	OK
10080 minute winter	SW22	6120	12.265	0.305	0.2	18.3106	0.0000	FLOOD RISK
10080 minute winter	SW23	6360	11.032	0.023	1.2	0.0066	0.0000	OK
10080 minute winter	SW24	5820	12.849	0.009	0.1	0.0000	0.0000	OK
10080 minute winter	SW25	4380	12.666	0.009	0.1	0.0026	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	SW1	1.000	SW2	0.2	0.344	0.013	0.0201	
10080 minute winter	SW2	1.001	SW3	0.2	0.359	0.013	0.0086	
10080 minute winter	SW3	1.002	SW4	0.2	0.358	0.011	0.0117	
10080 minute winter	SW4	1.008	SW12	0.3	0.386	0.018	0.0292	
10080 minute winter	SW5	1.003	SW6	0.1	0.288	0.017	0.0024	
10080 minute winter	SW6	1.004	SW7	0.1	0.282	0.017	0.0031	
10080 minute winter	SW7	1.005	SW8	0.1	0.280	0.017	0.0004	
10080 minute winter	SW8	Flow through Pond	SW9	0.1	0.002	0.000	6.1652	
10080 minute winter	SW9	1.007	SW4	0.1	0.210	0.017	0.0007	
10080 minute winter	SW10	1.006	SW11	0.1	0.514	0.007	0.0006	
10080 minute winter	SW11	Flow through Pond	SW9	0.1	0.002	0.000	6.1652	
10080 minute winter	SW12	1.009	SW13	0.3	0.323	0.018	0.0241	
10080 minute winter	SW13	1.010	SW21	0.6	0.425	0.012	0.0105	
10080 minute winter	SW14	2.000	SW15	0.1	0.280	0.015	0.0074	
10080 minute winter	SW15	2.001	SW16	0.1	0.280	0.015	0.0023	
10080 minute winter	SW16	2.002	SW17	0.1	0.244	0.015	0.0054	
10080 minute winter	SW17	2.003	SW19	0.2	0.395	0.009	0.0036	
10080 minute winter	SW18	3.000	SW17	0.1	0.373	0.006	0.0004	
10080 minute winter	SW19	2.004	SW13	0.3	0.489	0.013	0.0034	
10080 minute winter	SW20	4.000	SW19	0.1	0.210	0.015	0.0007	
10080 minute winter	SW21	1.011	SW23	0.7	0.404	0.014	0.0936	
10080 minute winter	SW22	5.000	SW21	0.1	0.195	0.011	0.0095	
10080 minute winter	SW23	6.010	SW40	1.2	0.588	0.021	0.0178	
10080 minute winter	SW24	6.000	SW25	0.1	0.289	0.017	0.0063	
10080 minute winter	SW25	6.001	SW26	0.1	0.289	0.017	0.0076	

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Results for 100 year +45% CC 10080 minute winter. 10320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	SW26	3240	12.449	0.009	0.1	0.0000	0.0000	OK
10080 minute winter	SW27	60	12.800	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW28	4440	12.389	0.011	0.2	0.0099	0.0000	OK
10080 minute winter	SW29	4440	12.839	0.009	0.1	0.0000	0.0000	OK
10080 minute winter	SW30	4440	12.353	0.011	0.2	0.0099	0.0000	OK
10080 minute winter	SW31	5820	12.079	0.421	0.2	0.0000	0.0000	OK
10080 minute winter	SW32	5820	12.079	0.425	0.2	0.1203	0.0000	SURCHARGED
10080 minute winter	SW33	6720	11.581	0.012	0.2	0.0106	0.0000	OK
10080 minute winter	SW34	6720	13.737	0.387	0.3	37.3775	0.0000	FLOOD RISK
10080 minute winter	SW35	6720	11.431	0.012	0.2	0.0035	0.0000	OK
10080 minute winter	SW36	6720	11.358	0.012	0.2	0.0034	0.0000	OK
10080 minute winter	SW37	6420	11.200	0.016	0.4	0.0135	0.0000	OK
10080 minute winter	SW38	6360	12.987	0.317	0.3	14.1536	0.0000	SURCHARGED
10080 minute winter	SW39	5940	12.724	0.424	0.2	16.4998	0.0000	FLOOD RISK
10080 minute winter	SW40	6300	10.239	0.001	1.4	0.0006	0.0000	OK
10080 minute winter	SW41	5940	12.540	0.320	0.2	15.5202	0.0000	FLOOD RISK
10080 minute winter	SW42	4440	12.828	0.008	0.1	0.0000	0.0000	OK
10080 minute winter	SW43	4440	12.309	0.009	0.1	0.0026	0.0000	OK
10080 minute winter	SW44	4440	12.219	0.009	0.1	0.0026	0.0000	OK
10080 minute winter	SW45	4440	12.168	0.009	0.1	0.0026	0.0000	OK
10080 minute winter	SW46	4440	12.046	0.008	0.1	0.0022	0.0000	OK
10080 minute winter	SW47	4440	11.154	0.009	0.1	0.0026	0.0000	OK
10080 minute winter	SW48	60	11.900	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW49	60	11.900	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW50	60	11.801	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	SW26	6.002	SW28	0.1	0.304	0.017	0.0026	
10080 minute winter	SW27	7.000	SW26	0.0	0.000	0.000	0.0007	
10080 minute winter	SW28	6.003	SW30	0.2	0.328	0.011	0.0022	
10080 minute winter	SW29	8.000	SW28	0.1	0.287	0.017	0.0017	
10080 minute winter	SW30	6.004	SW31	0.2	0.332	0.011	0.0023	
10080 minute winter	SW31	Flow through Pond	SW32	0.2	0.001	0.000	13.6736	
10080 minute winter	SW32	6.005	SW33	0.1	0.291	0.018	0.0013	
10080 minute winter	SW33	6.006	SW35	0.2	0.349	0.013	0.0101	
10080 minute winter	SW34	9.000	SW33	0.1	0.388	0.015	0.0005	
10080 minute winter	SW35	6.007	SW36	0.2	0.350	0.013	0.0049	
10080 minute winter	SW36	6.008	SW37	0.2	0.293	0.013	0.0132	
10080 minute winter	SW37	6.009	SW23	0.4	0.300	0.023	0.0237	
10080 minute winter	SW38	10.000	SW37	0.2	0.415	0.019	0.0006	
10080 minute winter	SW39	11.000	SW23	0.1	0.367	0.013	0.0004	
10080 minute winter	SW40	Pump		1.4				475.6
10080 minute winter	SW41	12.000	SW40	0.1	0.377	0.014	0.0007	
10080 minute winter	SW42	13.000	SW43	0.1	0.365	0.012	0.0010	
10080 minute winter	SW43	13.001	SW44	0.1	0.286	0.017	0.0032	
10080 minute winter	SW44	13.002	SW45	0.1	0.281	0.017	0.0018	
10080 minute winter	SW45	13.003	SW46	0.1	0.310	0.017	0.0039	
10080 minute winter	SW46	13.004	SW47	0.1	0.349	0.012	0.0040	
10080 minute winter	SW47	17.000	SW55	0.1	0.286	0.017	0.0052	
10080 minute winter	SW48	14.000	SW47	0.0	0.000	0.000	0.0000	
10080 minute winter	SW49	15.000	SW50	0.0	0.000	0.000	0.0000	
10080 minute winter	SW50	15.001	SW51	0.0	0.000	0.000	0.0000	

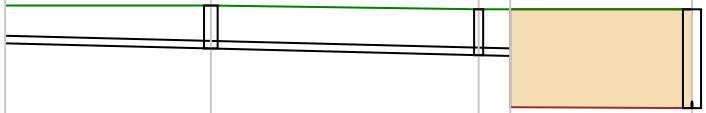
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Results for 100 year +45% CC 10080 minute winter. 10320 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	SW51	60	11.672	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW52	60	11.200	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW53	60	11.900	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW54	60	11.271	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW55	4440	11.006	0.009	0.1	0.0006	0.0000	OK
10080 minute winter	SW56	5760	10.425	0.131	0.1	0.0000	0.0000	OK
10080 minute winter	SW57	5760	10.425	0.141	0.1	0.0399	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	SW51	15.002	SW52	0.0	0.000	0.000	0.0000	
10080 minute winter	SW52	15.003	SW47	0.0	0.000	0.000	0.0010	
10080 minute winter	SW53	16.000	SW54	0.0	0.000	0.000	0.0000	
10080 minute winter	SW54	16.001	SW52	0.0	0.000	0.000	0.0000	
10080 minute winter	SW55	17.001	SW56	0.1	0.288	0.017	0.0004	
10080 minute winter	SW56	Flow through Pond	SW57	0.1	0.004	0.000	4.6497	
10080 minute winter	SW57	17.002	SW40	0.1	0.473	0.010	0.0008	

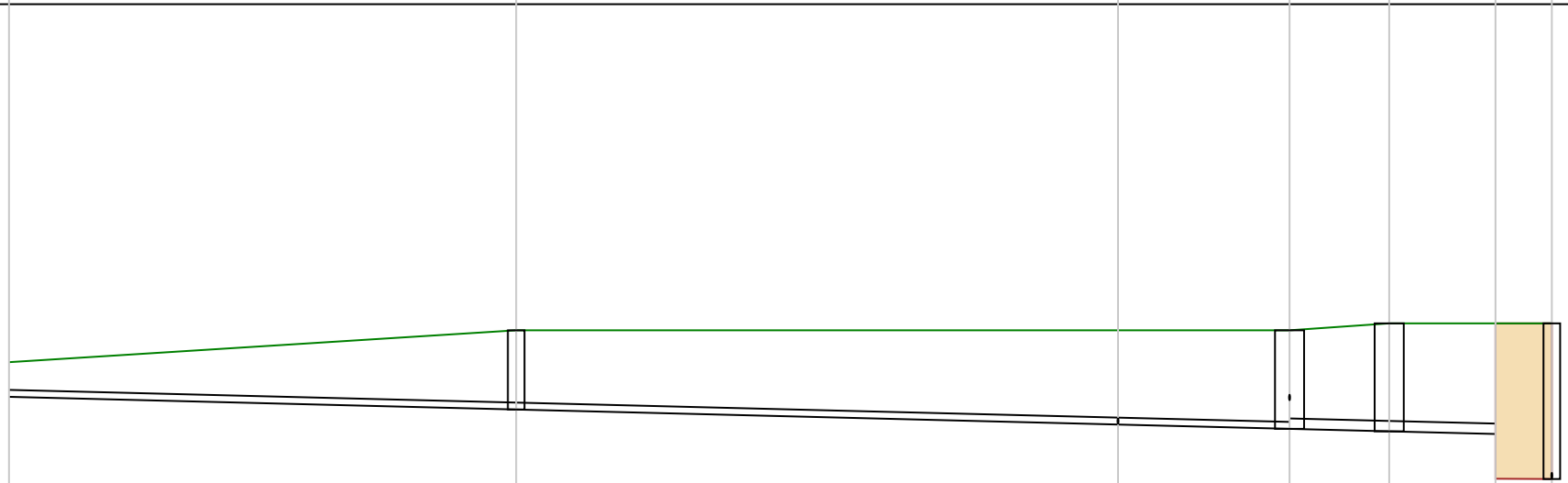
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Node Name	SW5	SW6	SW7	SW8	SW9
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 7.000					
Link Name	1.003	1.004	1.0	Flow through Po	
Section Type	100mm	100mm	10(		
Slope (1:X)	100.0	100.0	10(	500.0	
Cover Level (m)	13.600	13.600	13.550	13.550	13.550
Invert Level (m)	13.100	13.032 / 13.032	12.943	**12.943** / 12.255	12.243
Length (m)	6.799	8.853	1.0		

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Node Name		SW10	SW11	SW9
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 7.000				
Link Name		1.006	Flow through Po	
Section Type		100mm		
Slope (1:X)		18.8	500.0	
Cover Level (m)		13.550	13.550	13.550
Invert Level (m)		13.120 / 12.943	12.255	12.243
Length (m)		3.320		

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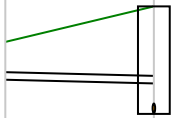


Node Name	SW24	SW25	SW26	SW28	SW30	SW31	SW32
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 7.000							
Link Name	6.000	6.001	6.002	6.003	6.004	Flow ↑	
Section Type	100mm	100mm	100mm	150mm	150mm		
Slope (1:X)	100.0	100.0	100.0	100.0	100.0	500.0	
Cover Level (m)	13.340	13.800	13.800	13.800	13.900	13.900	13.900
Invert Level (m)	12.840	12.657 / 12.657	12.440 / 12.440	12.378 / 12.378	12.342 / 12.342	12.304 / 11.658	11.654
Length (m)	18.296	21.711	6.187	3.595	3.834		

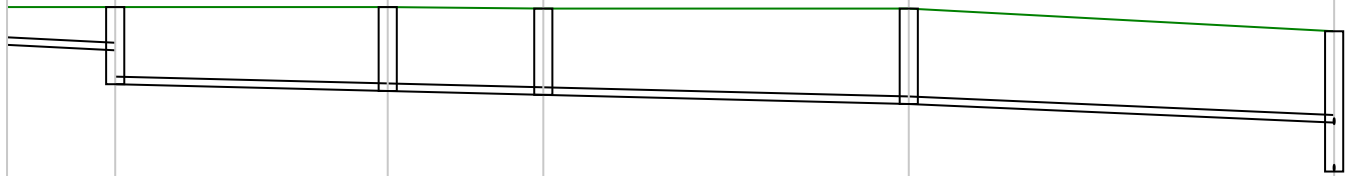
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Node Name		SW27	SW26
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 7.000			
Link Name		7.000	
Section Type		100mm	
Slope (1:X)		10.7	
Cover Level (m)		13.300	13.800
Invert Level (m)		12.800	12.440
Length (m)		3.847	

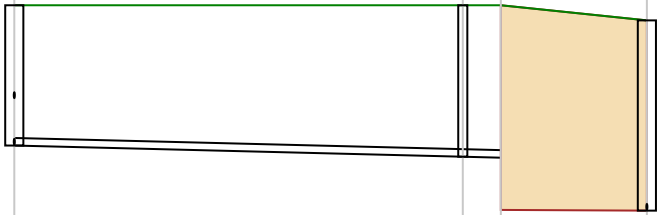
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Node Name	SW29	SW28
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 7.000		
Link Name	8.000	
Section Type	100mm	
Slope (1:X)	100.0	
Cover Level (m)	13.330	13.800
Invert Level (m)	12.830	12.781
Length (m)	4.911	

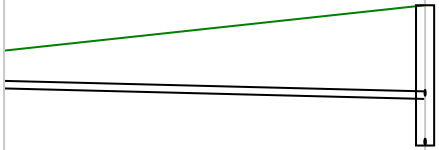
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Node Name		SW42	SW43	SW44	SW45	SW46	SW47
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 6.000							
Link Name		13.000	13.001	13.002	13.003	13.004	
Section Type		100mm	100mm	100mm	100mm	100mm	
Slope (1:X)		50.0	100.0	100.0	100.0	57.2	
Cover Level (m)		13.320	13.320	13.320	13.300	13.300	13.000
Invert Level (m)		12.820 12.748	12.300 12.210	12.210 12.159	12.159 12.038	12.038 11.792	
Length (m)		3.576	9.009	5.144	12.082	14.062	

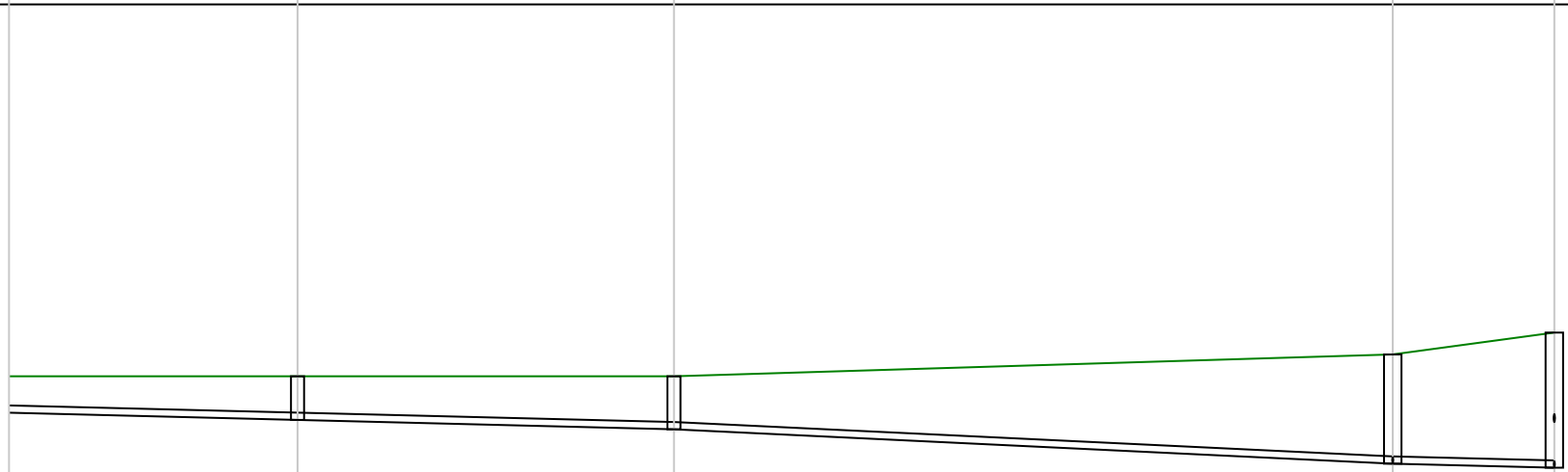
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Node Name	SW47	SW55	SW56	SW57
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 6.000				
Link Name	17.000	17.(	Flow through	
Section Type	100mm	100		
Slope (1:X)	100.0	100	500.0	
Cover Level (m)	13.000	13.000	13.000	12.800
Invert Level (m)	11.145	10.997 10.984	10.294	10.284
Length (m)	14.827	1.2		

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Node Name		SW48	SW47
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 6.000			
Link Name		14.000	
Section Type		100mm	
Slope (1:X)		100.0	
Cover Level (m)		12.400	13.000
Invert Level (m)		11.900	11.761
Length (m)		13.918	

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Node Name	SW49	SW50	SW51	SW52	SW47
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 6.000					
Link Name	15.000	15.001	15.002	15.003	
Section Type	100mm	100mm	100mm	100mm	
Slope (1:X)	100.0	100.0	52.3	100.0	
Cover Level (m)	12.400	12.400	12.400	12.700	13.000
Invert Level (m)	11.900	11.801 / 11.801	11.672 / 11.672	11.200 / 11.200	11.145
Length (m)	9.903	12.920	24.671	5.547	

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Node Name		SW53	SW54	SW52
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 6.000				
Link Name		16.000	16.001	
Section Type		100mm	100mm	
Slope (1:X)		100.0	100.0	
Cover Level (m)		12.400	12.400	12.700
Invert Level (m)		11.900	11.866 11.271	11.200
Length (m)		3.414	7.129	

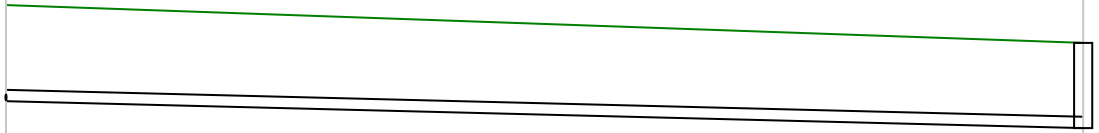
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Node Name		SW1	
			
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 7.000			
Link Name			1.000
Section Type			150mm
Slope (1:X)			100.0
Cover Level (m)		13.600	
Invert Level (m)		12.890	
Length (m)			30.757

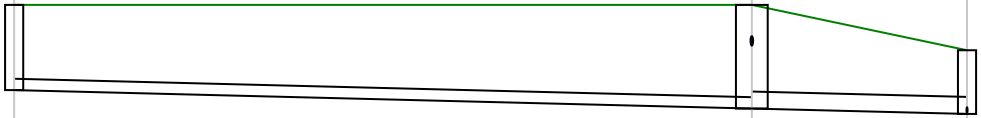
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Node Name		SW2	SW3	SW4
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 7.000				
Link Name		1.001	1.002	
Section Type		150mm	150mm	
Slope (1:X)		100.0	77.6	
Cover Level (m)		13.500	13.550	13.500
Invert Level (m)		12.582	12.444 12.444	12.229
Length (m)		13.764	16.674	

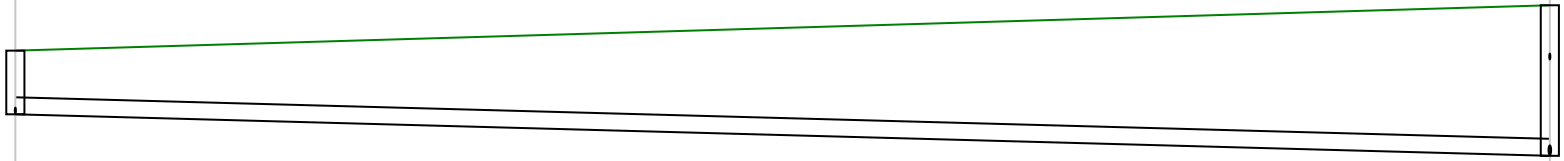
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Node Name		SW4		SW12
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 7.000				
Link Name		1.008		
Section Type		150mm		
Slope (1:X)		100.0		
Cover Level (m)		13.500		13.000
Invert Level (m)		12.229		11.873
Length (m)		35.610		

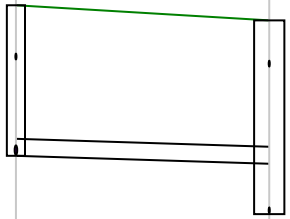
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Node Name		SW12	SW13	SW21	
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 7.000					
Link Name		1.009	1.010		
Section Type		150mm	225mm		
Slope (1:X)		100.0	100.0		
Cover Level (m)		13.000	13.000	12.400	
Invert Level (m)		11.873	11.629	11.629	11.558
Length (m)		24.386	7.114		

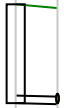
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Node Name	SW21	SW23
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 6.000		
Link Name	1.011	
Section Type	225mm	
Slope (1:X)	92.4	
Cover Level (m)	12.400	13.000
Invert Level (m)	11.558	11.009
Length (m)	50.728	

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Node Name		SW23	SW40
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 6.000			
Link Name		6.010	
Section Type		225mm	
Slope (1:X)		80.0	
Cover Level (m)		13.000	12.800
Invert Level (m)		11.009	10.904
Length (m)		8.374	

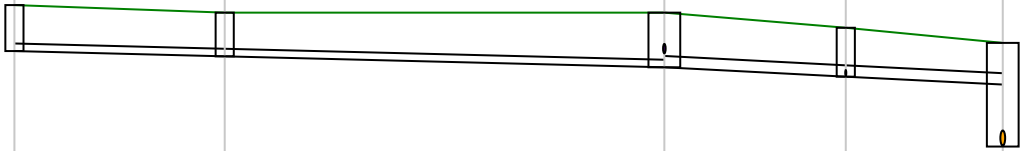
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Node Name	SW3	SW4
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 7.000		
Link Name	1.00	
Section Type	100	
Slope (1:X)	100	
Cover Level (m)	13.550	13.500
Invert Level (m)	12.223	
Length (m)	1.38	

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Node Name		SW14	SW
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 8.000			
Link Name		2.000	
Section Type		100mm	
Slope (1:X)		100.0	
Cover Level (m)		13.700	13.500
Invert Level (m)		13.120	12.892
Length (m)		22.784	

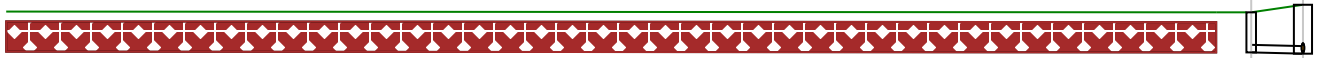
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Node Name	SW15	SW16	SW17	SW19	SW13
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 7.000					
Link Name	2.001	2.002	2.003	2.004	
Section Type	100mm	100mm	150mm	150mm	
Slope (1:X)	100.0	100.0	48.4	50.0	
Cover Level (m)	13.500	13.400	13.400	13.200	13.000
Invert Level (m)	12.892	12.822 / 12.822	12.677 / 12.677	12.553 / 12.553	12.449
Length (m)	6.952	14.535	5.997	5.190	

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Node Name		SW18	SW17
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 7.000			
Link Name		3.0	
Section Type		150	
Slope (1:X)		50.	
Cover Level (m)		13.500	13.400
Invert Level (m)		12.870	
Length (m)		1.0	

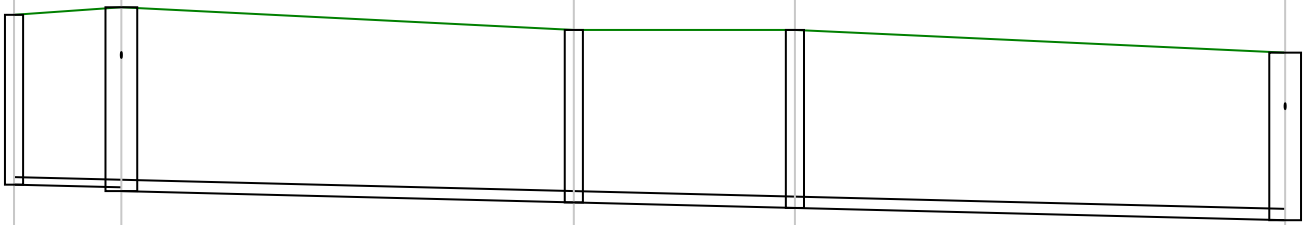
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Node Name		SW2	SW19
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 7.000			
Link Name		4.00(	
Section Type		100n	
Slope (1:X)		100.(	
Cover Level (m)		13.100	13.200
Invert Level (m)		12.570	12.553
Length (m)		1.71	

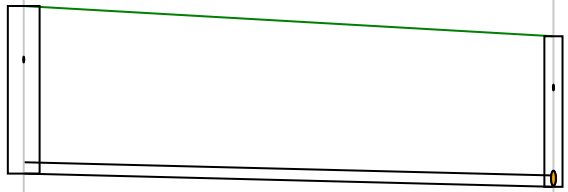
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Node Name		SW22	SW21
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 6.000			
Link Name		5.000	
Section Type		100mm	
Slope (1:X)		37.6	
Cover Level (m)		12.500	12.400
Invert Level (m)		11.960	11.558
Length (m)		15.103	

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Node Name	SW32	SW33	SW35	SW36	SW37
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 7.000					
Link Name	6.005	6.006	6.007	6.008	
Section Type	100mm	150mm	150mm	150mm	
Slope (1:X)	100.0	100.0	100.0	100.0	
Cover Level (m)	13.900	14.000	13.700	13.700	13.400
Invert Level (m)	11.654 / 11.619	11.569	11.419	11.419 / 11.346	11.346 / 11.184
Length (m)	3.548	14.958	7.309	16.206	

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Node Name		SW37	SW23
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 6.000			
Link Name		6.009	
Section Type		150mm	
Slope (1:X)		100.0	
Cover Level (m)		13.400	13.000
Invert Level (m)		11.184	11.009
Length (m)		17.512	

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Node Name		SW34	SW33
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 7.000			
Link Name		9.00	
Section Type		100r	
Slope (1:X)		50.0	
Cover Level (m)		13.900	14.000
Invert Level (m)		13.350	13.319
Length (m)		1.54	

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Node Name		SW38	SW37
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 7.000			
Link Name		10.0	
Section Type		100	
Slope (1:X)		50.0	
Cover Level (m)		13.400	13.400
Invert Level (m)		12.679	12.642
Length (m)		1.40	

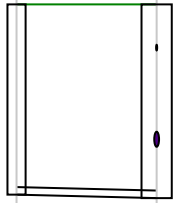
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Node Name		SW39	SW23
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 6.000			
Link Name		11.0	
Section Type		100	
Slope (1:X)		50.0	
Cover Level (m)		13.000	13.000
Invert Level (m)		12.399 12.279	
Length (m)		1.40	

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Node Name		SW41	SW40
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 6.000			
Link Name		12.00(	
Section Type		100m	
Slope (1:X)		50.0	
Cover Level (m)		12.800	12.800
Invert Level (m)		12.220	12.178
Length (m)		2.113	

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Node Name		SW57	SW40
A4 drawing Hor Scale 250 Ver Scale 100 Datum (m) 6.000			
Link Name		17.002	
Section Type		100mm	
Slope (1:X)		100.0	
Cover Level (m)		12.800	12.800
Invert Level (m)		10.284	10.238
Length (m)		4.632	

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Appendix F



Notes:

1. The change in height across the individual Tanked Permeable Paving areas will be made up of gravel which has not been included within the modelled attenuation volume.
2. The areas of Tanked Permeable Paving Units C and E will be connected at their invert levels by pipework.
3. Refer to 96506-02 for Catchment Plan.
4. All levels are in metres above ordnance datum.

Legend

- Proposed Tanked Permeable Paving
- Proposed Cellular Storage Attenuation
- Proposed Orifice Plate
- Proposed Channel Drain
- Proposed Surface Water Pipework
- Proposed Surface Water Downpipe
- Proposed Surface Water Manhole
- Proposed Catchpit
- Proposed Downstream Defender Advanced Vortex (or similar)
- Proposed Surface Water Pump
- Existing Culverted Watercourse
- Existing Manhole to Culverted Watercourse
- Root Protection Area
- Tree Protection Barriers
- No-Dig Surfacing
- Design Exceedance Route

Unda Consulting Limited
Unit 3
Oak Cottage
County Oak Way
County Oak
Crawley
RH11 7ST

Tel: 01293 214444
Email: info@unda.co.uk
Web: www.unda.co.uk

Client:
Freemans Close Homes Ltd

Site Address:
Freeman Close
Eastergate Lane
Walberton
West Sussex
BN18 0AE

Job Reference:	Date:
96506-FreemanClsHms-FreemanCls	8-May-26
Drawing Number:	**Revision:**
96506-01	1.1

Designed by:	Drawn by:	Checked by:
EW	EW	AR

Scale: 1:500@A2

Disclaimer:
The drawings provided are for planning purposes only.



Notes:

1. Refer to 96506-01 for Drainage Layout.

Legend

Unda Consulting Limited
Unit 3
Oak Cottage
County Oak Way
County Oak
Crawley
RH11 7ST

Tel: 01293 214444
Email: info@unda.co.uk
Web: www.unda.co.uk

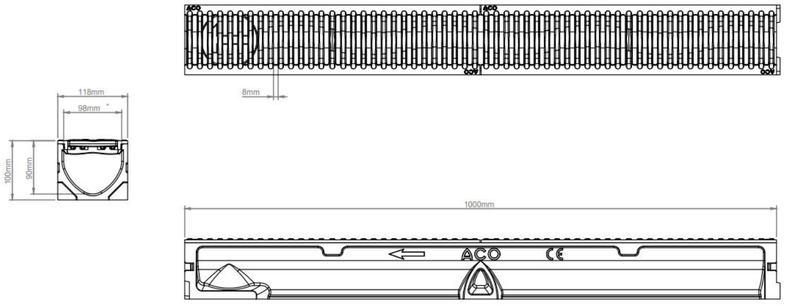
Client:
Freemans Close Homes Ltd

Site Address:
Freeman Close
Eastergate Lane
Walberton
West Sussex
BN18 0AE

Job Reference:	Date:
96506-FreemanClsHms-FreemanCls	8-May-26
Drawing Number:	**Revision:**
96506-02	1.1

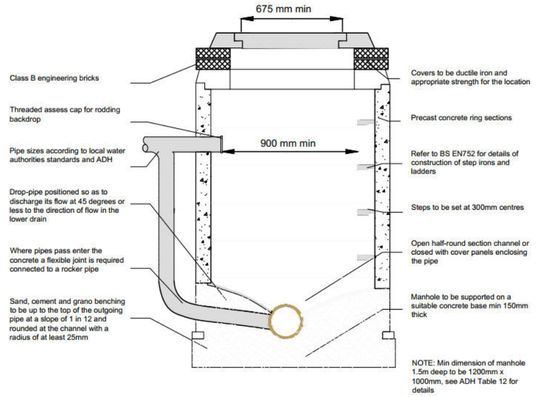
Designed by:	Drawn by:	Checked by:
EW	EW	AR

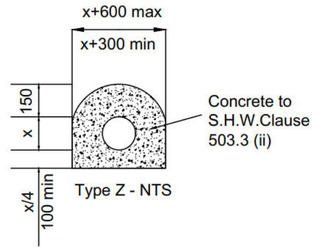
Scale:	Disclaimer:
1:500@A2	The drawings provided are for planning purposes only.

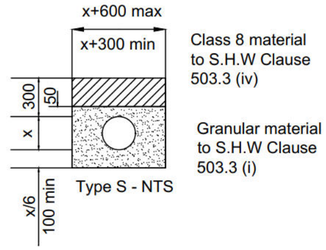


Channel Drain
(or other similar approved)

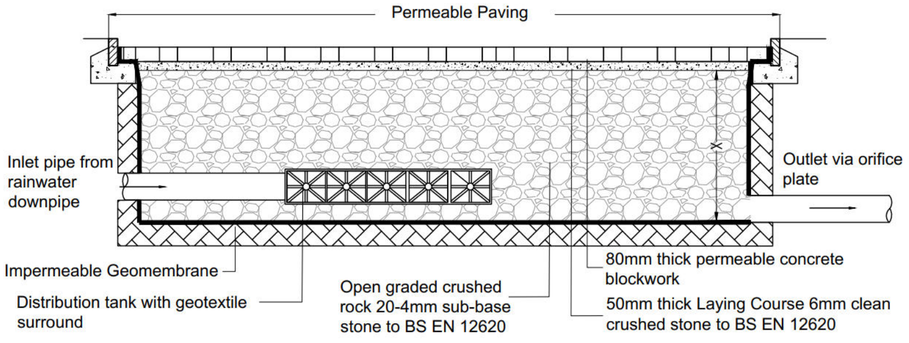
BACKDROP MANHOLE WITH THE DROP OUTSIDE THE MANHOLE
General guide only consult BS EN 1917 for more details



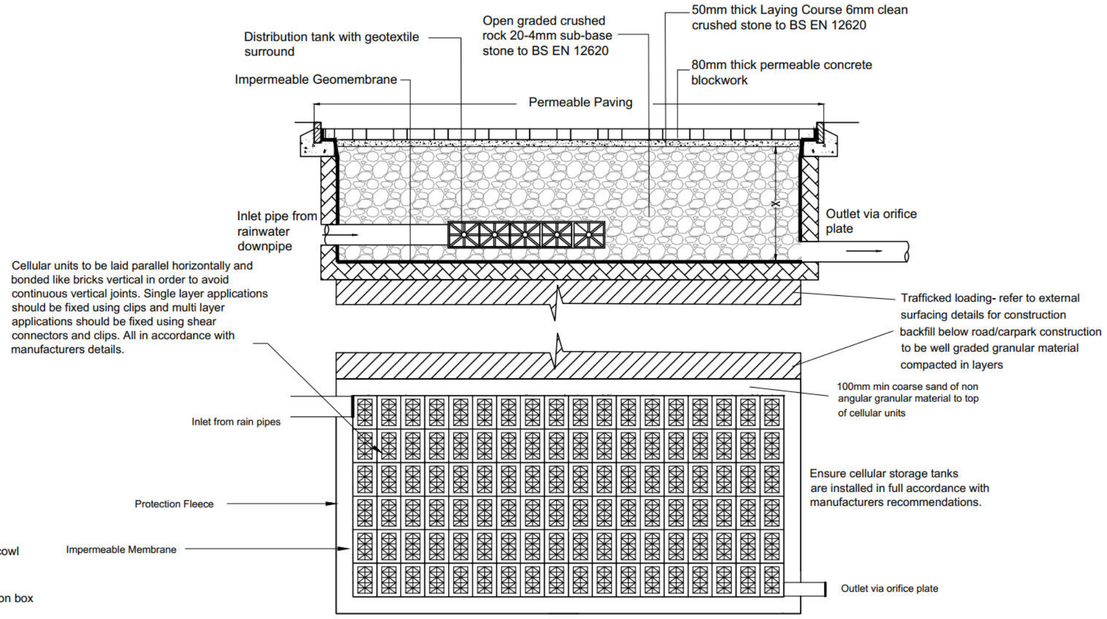




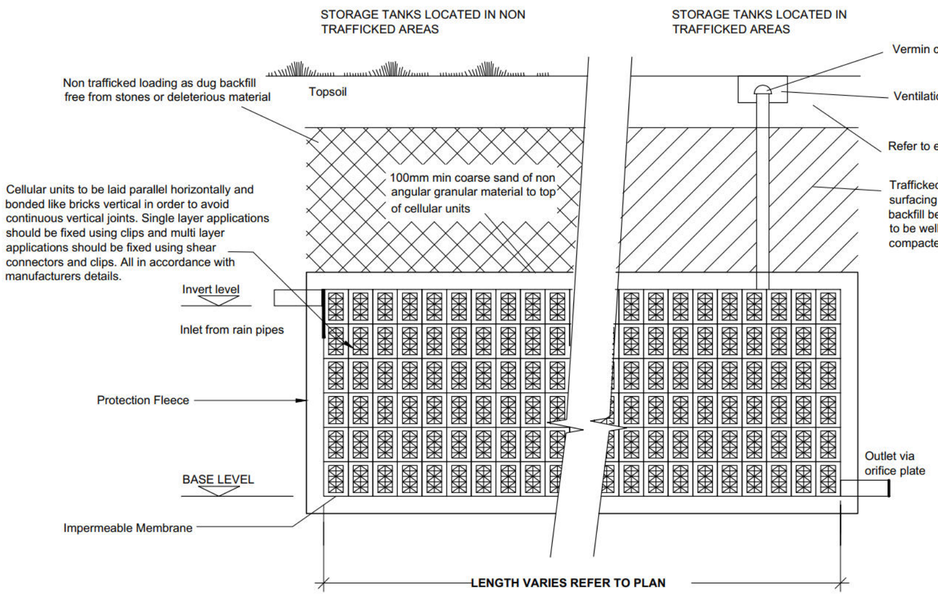
1. All dimensions are in mm
2. Dimension z is the external diameter of the pipe.
3. The minimum or maximum width of the trench applies on and below line 300mm above the outside top of the pipe. Above 300mm line the trench backfill material shall be as desribed in Clause 505 of SHW.
4. The concrete bed or surround may extend to the sides of the trench or be of minimum width. Class 8 material is to be used to fill any voids so formed.
5. For Type Z trench the concrete cover may be formed to a radius batter or horizontal surface. Min cover of concrete shall be 150.



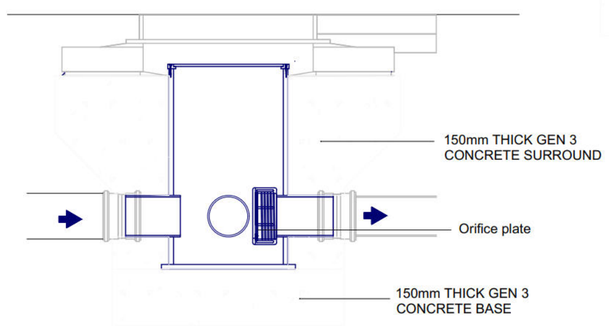
Tanked Permeable Paving Detail (or other similar approved)
NTS



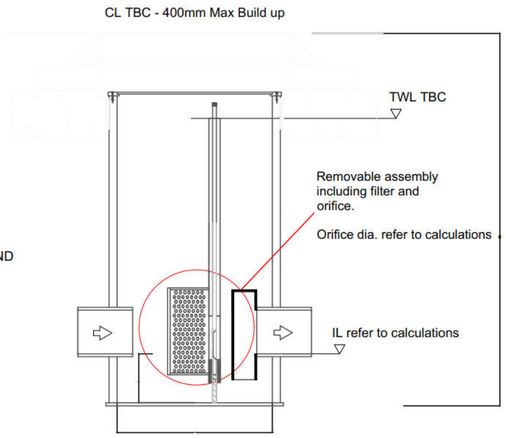
Cellular Storage Attenuation with Tanked Permeable Paving Above - NTS
(or other similar approved)



Cellular storage Attenuation - NTS
(or other similar approved)



Orifice Plate Manhole for Tanked Permeable Paving Units
(or other similar approved)



Orifice Plate Manhole for Cellular Storage Attenuation Units
(or other similar approved)

Notes:

1. Refer to 96506-01 for Drainage Layout.

Legend

Unda Consulting Limited
Unit 3
Oak Cottage
County Oak Way
County Oak
Crawley
RH11 7ST
Tel: 01293 214444
Email: info@unda.co.uk
Web: www.unda.co.uk

Client:
Freemans Close Homes Ltd

Site Address:
Freeman Close
Eastergate Lane
Walberton
West Sussex
BN18 0AE

Job Reference:	Date:
96506-FreemanClsHms-FreemanCls	8-May-26
Drawing Number:	**Revision:**
96506-03	1.0

Designed by:	Drawn by:	Checked by:
EW	EW	AR

Scale:	Disclaimer:
NTS	The drawings provided are for planning purposes only.

Appendix G

MODUQUIP

[redacted]

Pumping Station Technical Pack

318374 Arun District Council, Warburton
Storm Water
REV A

Table of Content

1. Pumping Station Overview
2. Pumping Station Drawings
3. Power Requirements
4. Control Panel Wiring Diagrams
5. Installation Manual
6. Kiosk Drawing
7. Disposal Guidelines
8. O & M Manual

	Signature	Print	Date
Approved By:			

	Name	E-Mail	Phone
Produced By:	***Glen Gulley***	[redacted]	

MODUQUIP

1. Pumping Station Overview

Pumping Station Overview

Date		**07/05/2026**
Adopting Authority		**Non-Adoptable**
Pumping Station Design Data *(TBA By Engineers/Client)*	Media Type	***Storm***
	Cover Level	***12.800***
	Lowest Inlet Invert Level	***10.238***
	Top Water/Flood Level	***10.238***
	Pumping/Rising Main Length (meters)	***25.0***
	Rising Main Termination Level	***12.060***
	Rising Main Gradient	***Continously Ascending***
	Hazardous Area Classification	***Non-Hazardous Area***
	Required Storage Volume (L)	***0***
Pump Chamber*	Material	***GRP***
	Chamber Duty	***Standard Duty***
	Diameter (mm)	***1000***
	Overall Depth (mm)	***3300***
	Manhole Cover	***600mm x 600mm D400 Rated***
Pumps	Quantity	***2***
	Solids Handling Capacity	***50mm Solids***
	Targeted Flow Rate (l/sec)	***1.8***
	Configuration	***Duty/Standby***
	Voltage	***240***
	Model	***VK-A.101/50-40.80***
Pipework	Material	***U-PVC***
	Diameter	***50mm***
	Non-return Valves	***Ball Check Non-Return Valve***
	Sluice Valve	***Brass Full Bore Sluice Valve***
	Rising Main Diameter Required (O/D)	***63mm***
	Rising Main Specification Required	***SDR17 Black***
	Final Discharge Connection	***63mm Compression Fitting***
Control Panel	Type	***MQX Series Dual Pump***
	Installation	***Internal Wall or Kiosk Mounted***
	Material	***Mild Steel***
	Power Type (V)	***240***
	Alarm Type	***Audible, Visual & SMS/Email***
	Pump Control Type	***Hand/Off/Auto Switches***
	BMS Compatible	***Yes***
	Alarm Battery Backup	***Yes***
Level Controls	Type	***Float Switches***
	Quantity	***4***
	Cable Length	***10m***
Commissioning	Included	***Yes***
	Duration	***1 Day***
Warranty	Warranty Duration	***24 Months***
Design Engineer	Name	***Glen Gulley***
	Email Address	[redacted]
	Phone Number	

*For packaged pumping stations, ground conditions at final installation location must be disclosed to Moduquip prior to order to ensure the quoted chamber specification is suitable otherwise a Standard Duty chamber will be supplied.

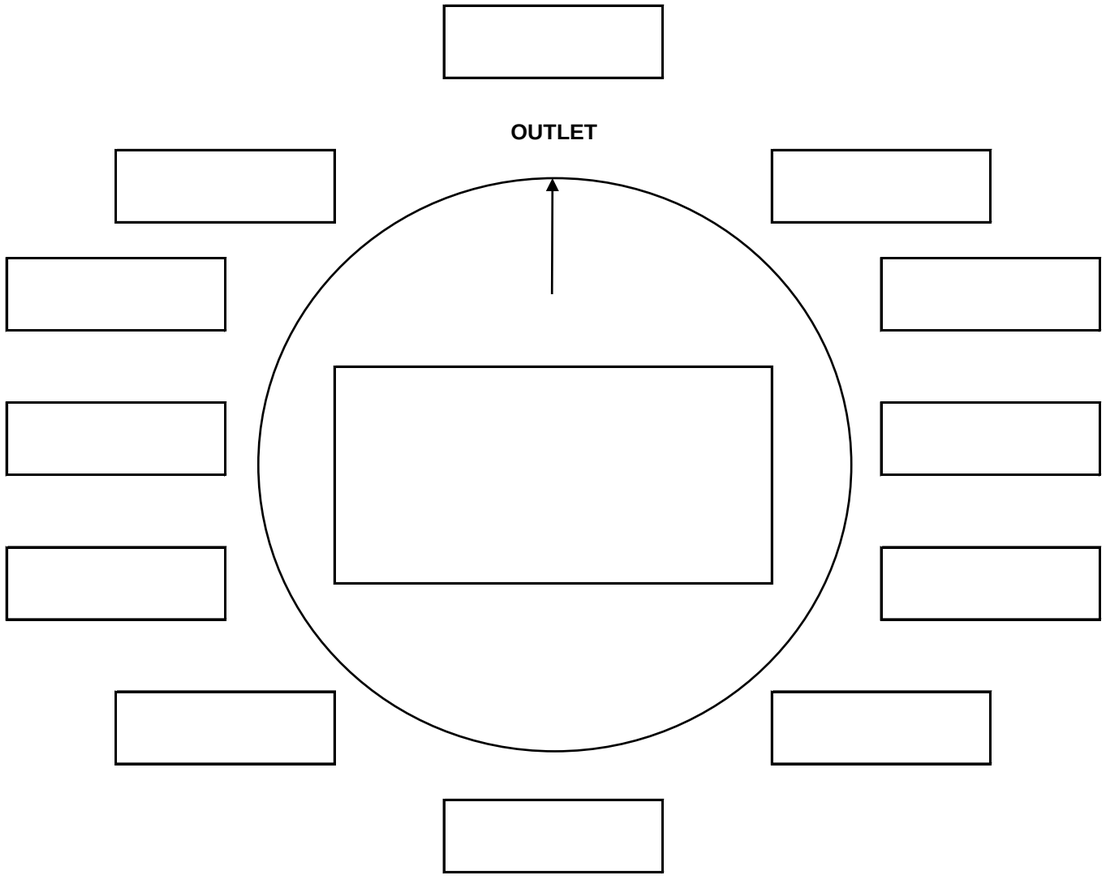
Design Notes

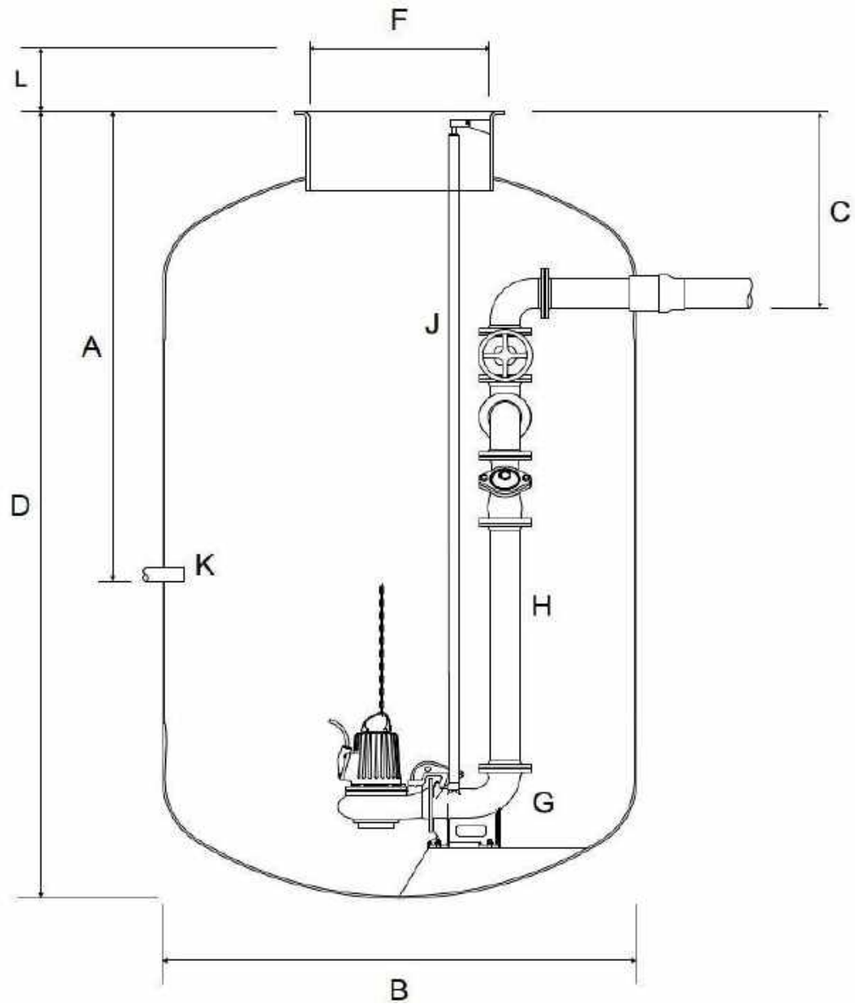
REV		By	Date
A	*This pumping station has been designed to allow for the potential discharge into a surged 225mm pipe with a safety factor of +/- 20%*	GG	07/05/2026

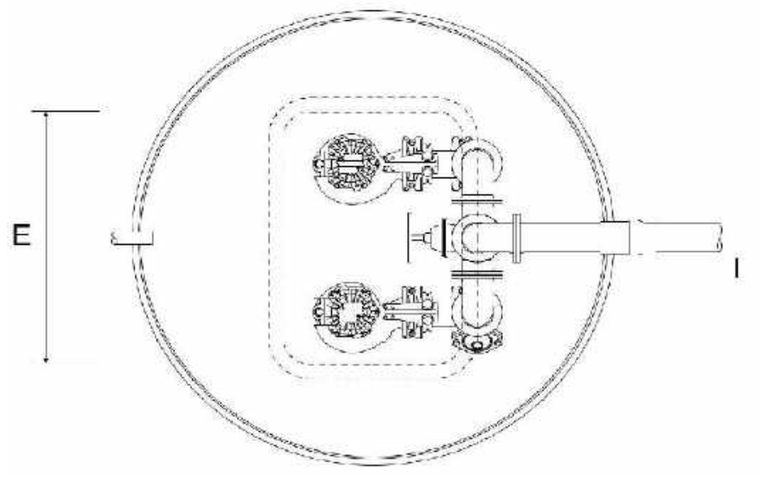
2. Pumping Station Drawings

LETTER	DESCRIPTION	DIMENSION
A	Depth of Incoming Invert	2,262 mm
B	Tank Diameter	1,000 mmØ
C	Depth of Discharge Pipe	450 mm
D	Depth of Tank	3,000 mm
E	Width of Manhole Opening	600 mm
F	Length of Manhole Opening	600 mm
G	Duckfeet Size	50mm mmØ
H	Pipework Size	50mm mmØ
I	Discharge Connection	63mm Compression Fitting
J	Guide Rail Diameter	0.75" Galvanised Steel
K	Inlet Size	100mm
L	Cover Level to Top of Tank	300 mm

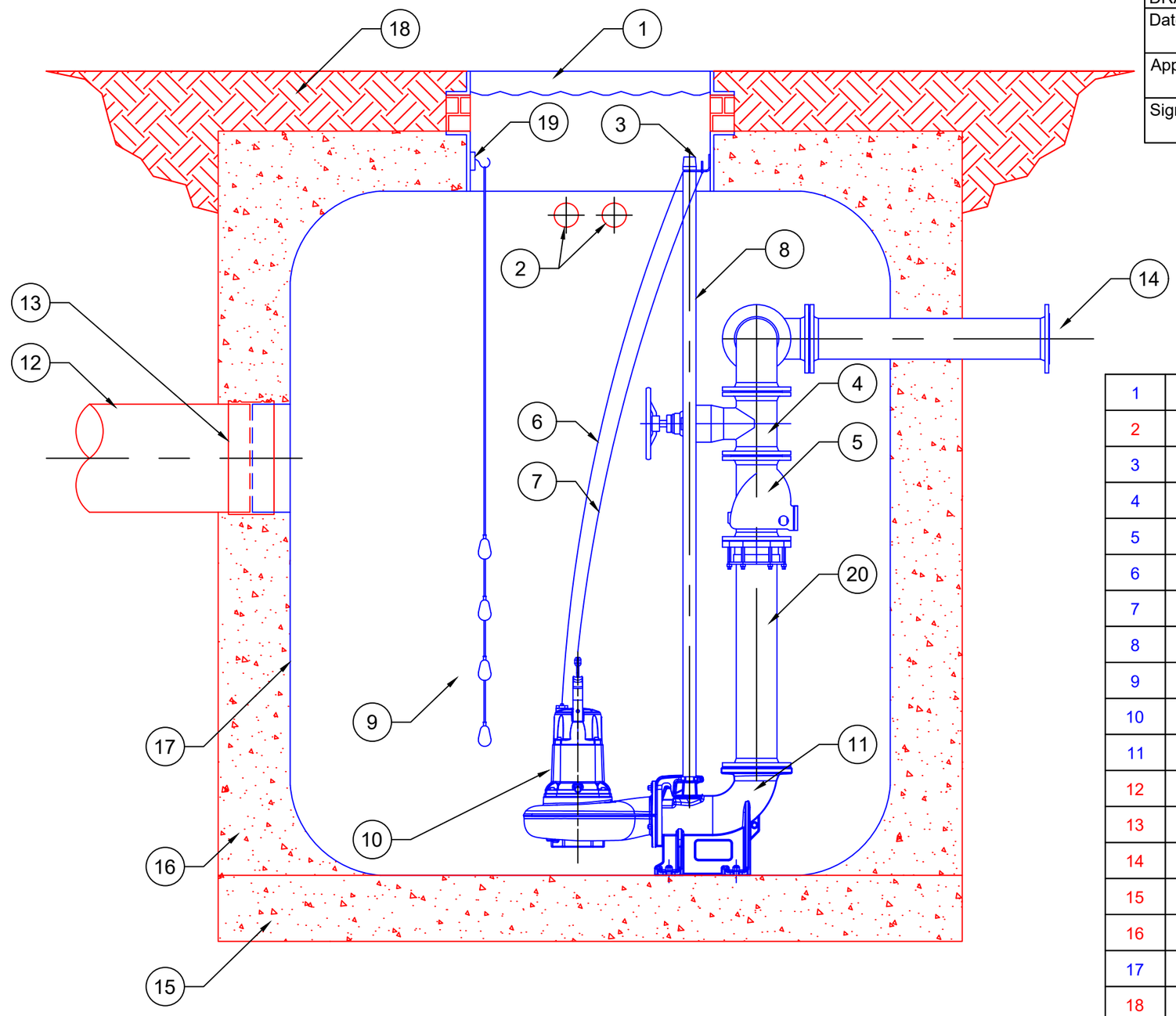
PROJECT NUMBER	318314
Client Name	Unda Consulting Ltd
Project Name	Arun District Council, Warburton







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DRAWING APPROVAL
Date
Approved By (Print)
Signed

KEY

By Others

By Moduquip

1	Manhole Cover And Frame
2	Duct/Vent Pipes
3	Upper Guiderail Bracket
4	Shut Off Gate Valve
5	Non Return Check Valve
6	Pump Power Cable
7	Pump Lifting Chain
8	Pump Guiderails
9	Level Control Float Switches
10	Pumps In Working Position
11	Pump Auto Coupling
12	Incoming Inlet Pipe
13	Incoming Inlet Pipe Connection
14	Discharge Connection
15	Concrete Base
16	Chamber Surround
17	GRP Chamber
18	Ground Makeup
19	Float Switch Hook
20	Riser Pipe

NOTES

DO NOT SCALE.

1 ALL DIMENSIONS IN MILLIMETRES, ALL INVERTS IN METRES AOD, UNLESS OTHERWISE STATED.

2 ALL EXTRANEOUS METAL WORK IS TO BE EQUILATERALLY BONDED WITH SAFETY ELECTRICAL EARTH "DO NOT REMOVE" LABELS FITTED.

3 ALL CIVIL WORK BY OTHERS INCLUDING MAKING GOOD AROUND PIPES AFTER INSTALLATION, BENCHING, FIXING ACCESS COVERS AND LAYING CABLE DUCTS.

4 STRUCTURAL DETAIL ILLUSTRATIVE ONLY.

5 ALL DUCTS 100 I.D. MIN. COMPLETE WITH DRAW ROPES AND AVOIDING ACUTE CHANGES OF DIRECTION. SERVICE DUCTS TO SUPPLIERS SPECIFICATIONS

6 DIRECTION OF DUCTS SHOWN DIAGRAMMATICALLY - ALL DUCTS TO BE LAID ON MOST DIRECT LINE TO SUIT SERVICE BEING CARRIED.

7 SITE PLAN ILLUSTRATIVE IF NO SPECIFIC DETAILS PREVIOUSLY PROVIDED.

8 LEVEL CONTROLS SHOWN NOTIONALLY, TO BE POSITIONED AWAY FROM OBSTRUCTIONS, LEVELS READILY ADJUSTABLE AFTER INSTALLATION.

9 DRAWINGS ARE INDICATIVE WITH REGARD TO CIVIL WORKS AND SHOULD NOT BE USED FOR CONSTRUCTION.

REV	DATE	DESCRIPTION	DRN	CHK	APR

FOR APPROVAL

MODUQUIP
35 Boulton Road, Reading
Berkshire
RG2 0NH
0330 390 4114
www.moduquip.com

PROJECT
Standard Drawing
Wastewater Pump Station
GRP Chamber Installation

TITLE
Wastewater Pump Station
Side View

CLIENT

CONTRACT	APR	DATE
SCALE @ A3 1:20	CHK	DATE
	DRN	DATE

DRAWING N°.	SHEET N°.	REVISION
	01	0

3. Power Requirements

PUMP MODEL	VK-A.101/50-40.80
WATER AUTHORITY	Private
REPORT	APPROXIMATE PUMP STATION POWER REQUIREMENT
PAGE NUMBER	PAGE 1 OF 1

Pump Station Power Requirements

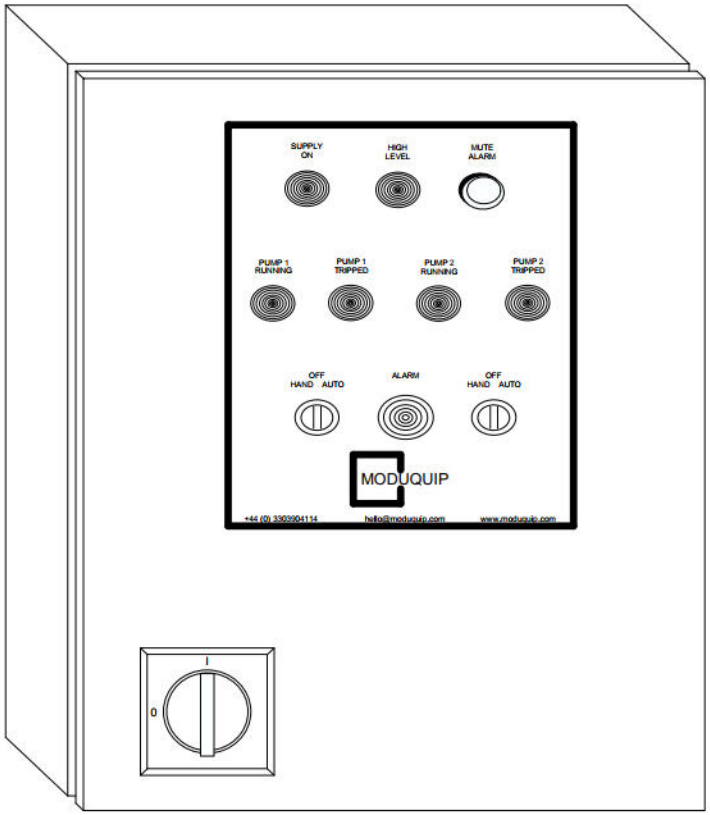
POWER REQUIREMENTS	
Pump Station Voltage (V)	230
Power Supply Number Of Phases	1
Power Supply Cable Requirements	1 Phase, Neutral & Earth
Number Of Pumps	2
Power Consumed Per Pump (kW)	0.6
Running Current Per Pump (A)	4.2
Starting Current Per Pump (A)	12.0
Method Of Pump Starting	Direct-On-Line
Predicted Current At Highest Point (A)	16.2
Maximum Number Of Pump Start Ups Per Hour	15
Approximate Loading Of Controls (kVA)	1.5
Approximate Loading Required For Pump Station (kVA)	5.0

For guidance purposes only.

Preliminary - This is subject to change as the design progresses

4. Control Panel Wiring Diagrams

ENCLOSURE SIZE
600mm HIGH
400mm WIDE
210mm DEEP



Key

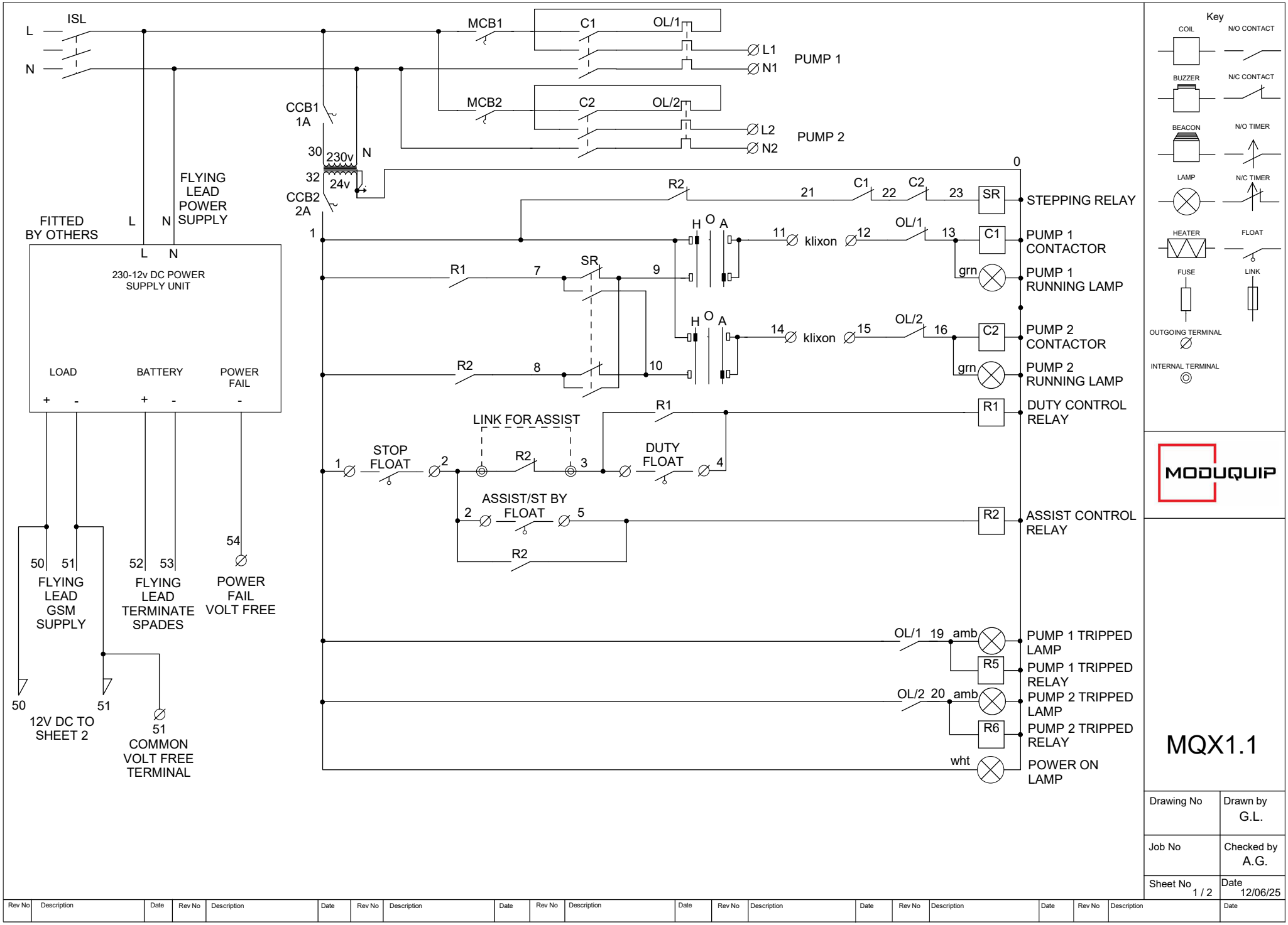
COIL
N/O CONTACT
BUZZER
N/C CONTACT
BEACON
N/O TIMER
LAMP
N/C TIMER
HEATER
FLOAT
FUSE
LINK
OUTGOING TERMINAL
INTERNAL TERMINAL

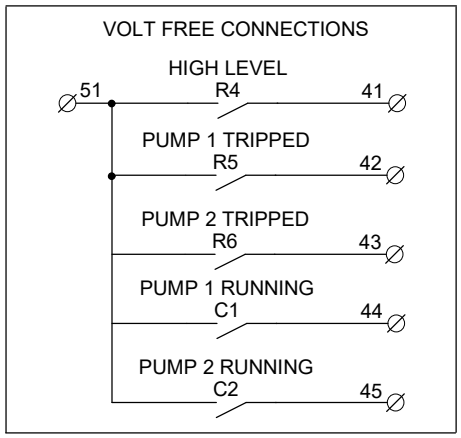
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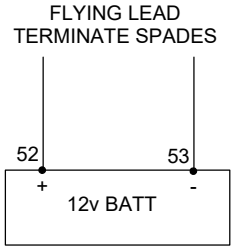
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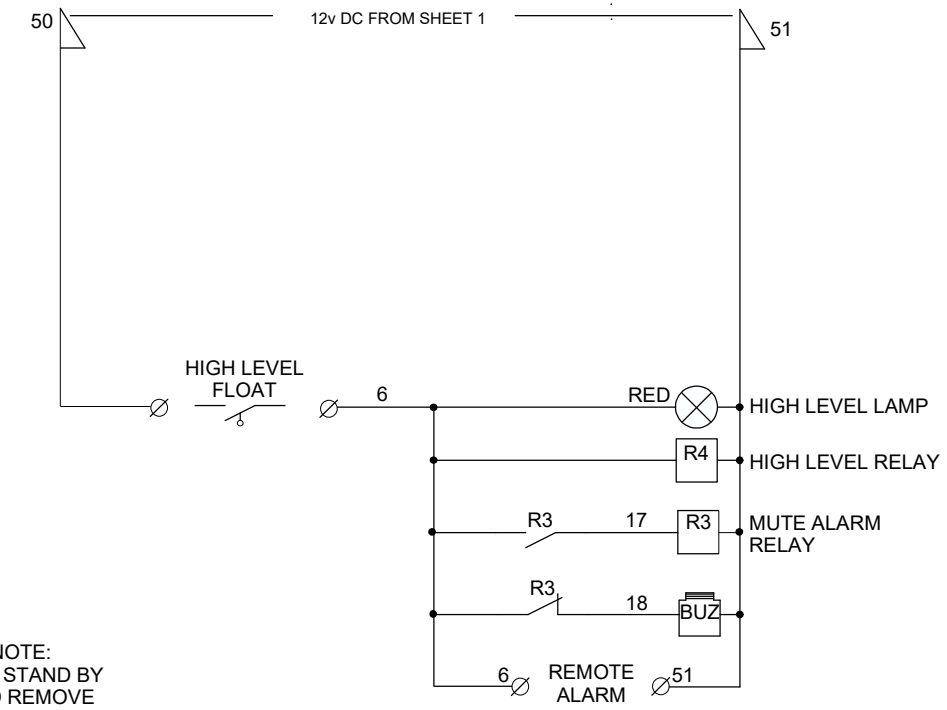
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Job No	Checked by A.G.
Sheet No 1 / 3	Date 12/06/25

Rev No	Description	Date	Rev No	Description	Date	Rev No	Description	Date	Rev No	Description	Date	Rev No	Description	Date	Rev No	Description	Date	Rev No	Description	Date


ISL
L
N
MCB1
C1
OL/1
L1
N1
PUMP 1
MCB2
C2
OL/2
L2
N2
PUMP 2
CCB1
1A
30
230v
N
32
24v
CCB2
2A
1
0
FITTED
BY OTHERS
L
N
FLYING
LEAD
POWER
SUPPLY
230-12v DC POWER
SUPPLY UNIT
LOAD
BATTERY
POWER
FAIL
+
-
+
-
-
R2
21
C1
22
C2
23
SR
STEPPING RELAY
H
O
A
11
klixon
12
OL/1
13
C1
PUMP 1
CONTACTOR
grn
PUMP 1
RUNNING LAMP
R1
7
SR
9
14
klixon
15
OL/2
16
C2
PUMP 2
CONTACTOR
R2
8
10
grn
PUMP 2
RUNNING LAMP
R1
R1
DUTY CONTROL
RELAY
LINK FOR ASSIST
1
STOP
FLOAT
2
R2
3
DUTY
FLOAT
4
ASSIST/ST BY
FLOAT
2
5
R2
R2
ASSIST CONTROL
RELAY
OL/1
19
amb
PUMP 1 TRIPPED
LAMP
R5
PUMP 1 TRIPPED
RELAY
OL/2
20
amb
PUMP 2 TRIPPED
LAMP
R6
PUMP 2 TRIPPED
RELAY
wht
POWER ON
LAMP
50
51
FLYING
LEAD
GSM
SUPPLY
52
53
FLYING
LEAD
TERMINATE
SPADES
54
POWER
FAIL
VOLT FREE
50
51
12V DC TO
SHEET 2
51
COMMON
VOLT FREE
TERMINAL
Key
COIL
N/O CONTACT
BUZZER
N/C CONTACT
BEACON
N/O TIMER
LAMP
N/C TIMER
HEATER
FLOAT
FUSE
LINK
OUTGOING TERMINAL
INTERNAL TERMINAL
MODUQUIP
MQX1.1
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G.L.
Job No
Checked by
A.G.
Sheet No
1 / 2
Date
12/06/25
Rev No
Description
Date





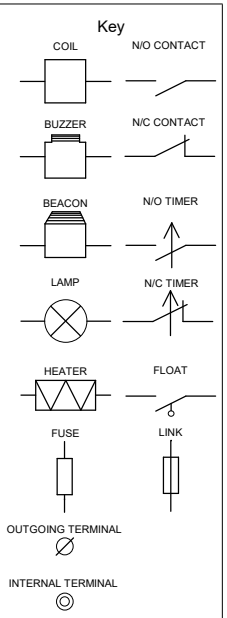


PLEASE NOTE:
SHOULD DUTY STAND BY
BE REQUIRED REMOVE
WIRE LINK FROM
CONNECTIONS 2&3

L1	N1	11	12	E	L2	N2	14	15	E	1	2	3	4	2	5	1	6	2	3	51	6	51	41	42	43	44	45	54
PUMP 1		KLIXON			PUMP 2		KLIXON			STOP		DUTY		ASSIST/ STD BY		HIGH LEVEL		LINK FOR ASSIST		REM 24V AC ALARM		VOLTFREE CONNECTIONS						

FLOATS

VOLT FREE
CONNECTIONS
TO HAVE 1m
FLYING LEADS



MODUQUIP

MQX1.1

Drawing No	Drawn by G.L.
Job No	Checked by A.G.
Sheet No 2 / 2	Date 12/06/25

Rev No	Description	Date	Rev No	Description	Date	Rev No	Description	Date	Rev No	Description	Date	Rev No	Description	Date	Rev No	Description	Date	Rev No	Description	Date

MODUQUIP

5. Installation Manual

INSTALLATION GUIDE FOR UNDERGROUND GRP CHAMBERS

Important Statement of Responsibility

Underground chambers are non-structural liner systems. They must be fully supported at all times by a correctly engineered, site-specific structural concrete surround.

It is the responsibility of the specifying engineer to design the concrete surround so that:

- No groundwater pressure, surface loads, traffic loads, or other external forces are transmitted to the GRP chamber at any time.
- The chamber is fully supported over its entire surface, including base, sides, and access shafts.

Failure to follow these guidelines may result in chamber damage or failure and will void the warranty.

Safety and Handling

- Installation must be carried out by competent, trained personnel and all stages of the procedure adequately documented and photographed.
- All works must comply with the Health & Safety at Work Act, Confined Space entry legislation, and applicable local regulations.
- Risk assessments must be completed before installation.

Handling the Chamber:

- It is the responsibility of the contractor to ensure suitable access to good hard ground that is safe and suitable for off-loading.
- Lift using approved webbing slings or straps — never use chains or wire ropes in contact with the chamber.
- Use spreader beams for long chambers (> 8m).
- Do not drag, roll, or drop chambers.
- Store on flat, level ground, free of sharp objects, and chock or tie down to prevent movement.
- Cover access openings during handling and installation to prevent debris ingress.

Site Preparation

Excavation

- Excavate to dimensions allowing for the required concrete surround thickness, minimum 200mm or as specified by the engineer.
- Provide sufficient space for safe concrete placement and compaction around the chamber.
- Allow extra width if trench supports or shoring are required.
- If poor ground conditions exist (sand, peat, landfill, clay with swelling/shrinkage), additional excavation, formation treatment, or other stabilisation will be required — consult the engineer.

Groundwater Control

- The excavation must be maintained in a dry condition throughout installation and concrete curing.
- Use suitable methods to dewater the excavation as required.
- Never subject the GRP chamber to buoyant forces at any stage, even if it is anchored.

Pre-Installation Inspection

- Inspect the chamber for any damage before installation:
- Check for fractures, delaminations, deep scratches (> 1.5 mm), stress cracks, crazing.
- Confirm correct orientation and position of inlet and outlet fittings.
- Confirm correct invert depth.
- Access openings should be covered prior to backfilling to keep the internal shell and fittings clean.
- Report any damage to Moduquip Ltd — do not carry out unauthorised repairs.

Installation Procedure

1. Base Concrete Slab & Chamber Placement

- Pour a level, smooth concrete base slab to the engineer's specification.
- If required, place suitable hardcore and a polythene membrane beneath the base slab to stabilise the formation.
- While the base concrete is still wet, carefully lower the GRP chamber into position, using approved lifting equipment.
- Ensure the chamber base and sump are fully supported, with no voids beneath.
- The chamber must be correctly orientated and level — align inlet/outlet connections during placement.
- Do not rotate or reposition after placement; adjust by puddling fresh concrete if necessary.
- Allow base concrete to set (typically 6–12 hrs depending on mix) before adding water ballast.

2. Initial Filling

- Once the base is stable, fill chamber with 300–500 mm clean water for ballast during concrete surround placement.
- Water level inside chamber must always be kept within 300 mm of external concrete level.

3. Concrete Surround Placement

- Place concrete surround in controlled pours (max 500 mm).
- Allow initial set between pours.
- Do not discharge concrete directly on chamber.
- Avoid excessive vibration — only light vibration or tamping allowed.
- Maintain chamber water level no more than 300 mm above progressing concrete.
- Continue until at least 1000 mm above highest water table.

4. Access Shafts & Turrets

- Apply 20 mm bead of PU sealant to flange surface.
- Position turret carefully, ensuring continuous seal.
- Bolt turret progressively in cross pattern with supplied bolts.
- Do not over-tighten — just compress sealant evenly.
- Ensure turret orientation suits pipework/access needs.

5. Final Backfill

- After surround cures, backfill to ground level using clean, free-draining material.
- No debris, large stones (>40 mm), clay lumps, or organic material allowed.
- Take care not to load turrets unevenly during backfill.

Summary of Key Points

- GRP chambers are non-structural liners — they must be fully supported by engineered concrete surround.
- No external loads should be transferred to GRP chamber.
- Chamber must be lowered into wet concrete and correctly orientated.
- Surround must be placed in controlled pours with void-free placement.
- Turrets must be installed with PU sealant and supplied bolt sets.

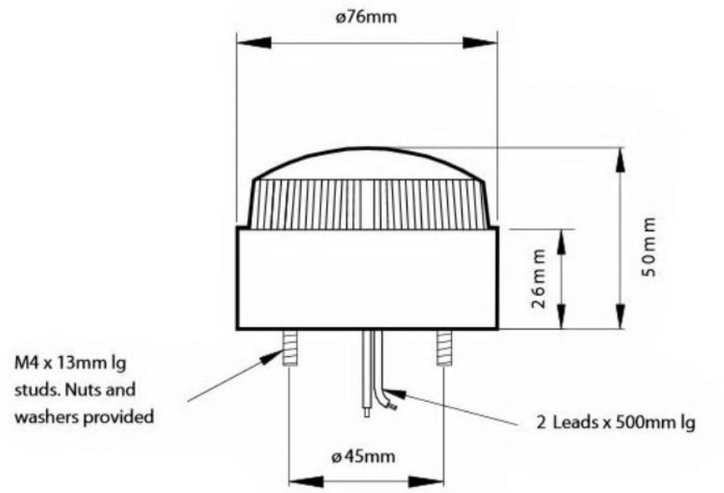
Disclaimer

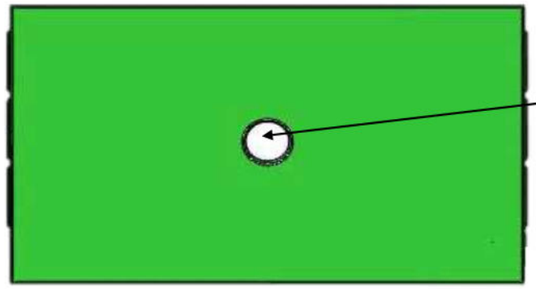
This document provides general installation guidance only. It does not replace the need for site-specific structural design or qualified engineering input.

The onus rests on the purchaser to ensure that the goods supplied are fit/suitable for the intended purpose.

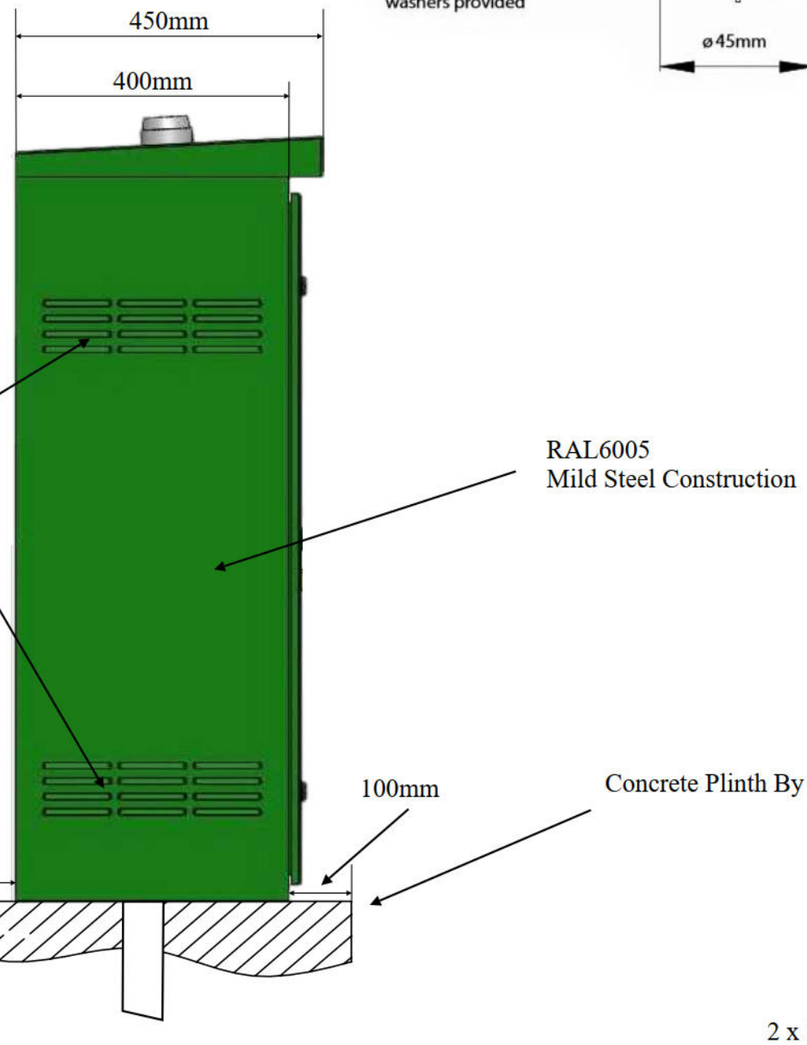
Moduquip Ltd shall not be liable for the consequences of loss, damage, improper installation, misuse, unsuitable site conditions, third-party workmanship, or events outside its control.

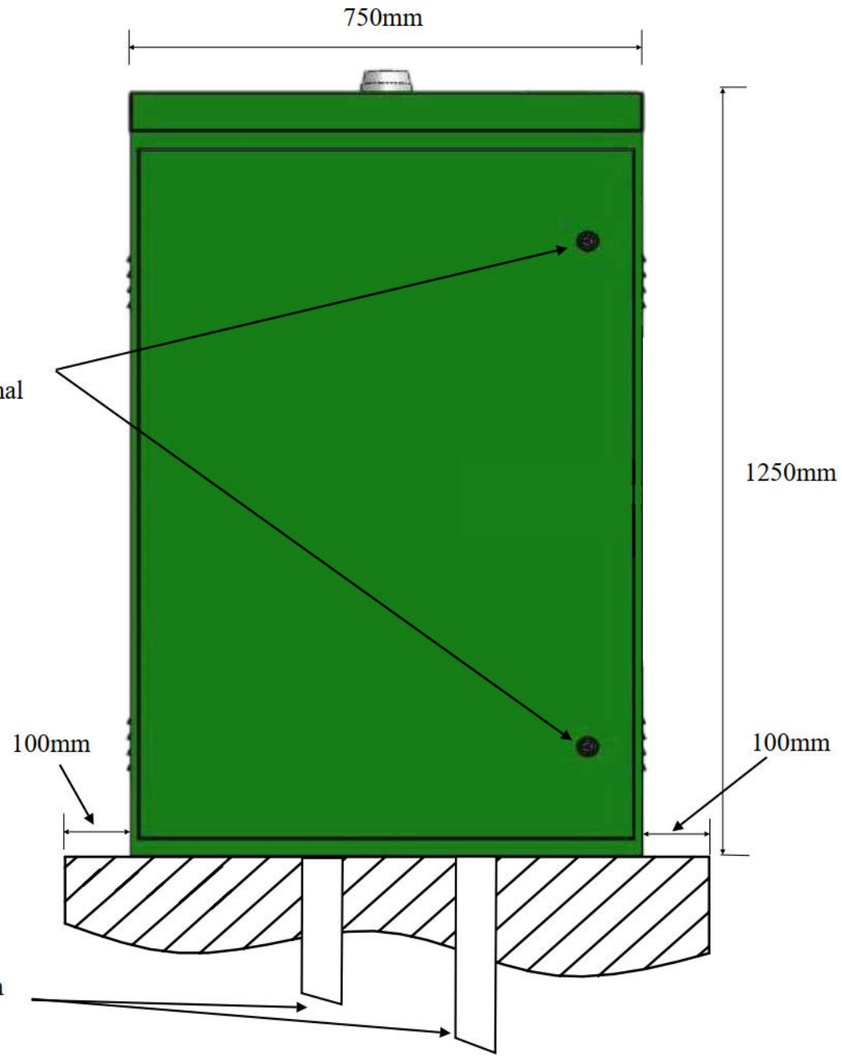
6. Kiosk Drawing (Optional)





Beacon fitted as standard





Material	Mild Steel to BS6687-1986
Finish	RAL 6005 Dark Green
Weight	15kg approx
Thickness	2mm

Standard Single Kiosk

All dimensions in mm unless where otherwise stated, not to scale

Issue	Date	Drawn by	Approved by	Description
A	8.9.15	TG	GH	

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MODUQUIP

7. Disposal Guidelines

Pumping Station Disposal Guidelines
Foul Water

Pumping stations are installed where gravity sewage for cannot be achieved therefore requires a system to 'lift' the sewage to the nearest gravity sewage main. These systems are very common and can be found on many new developments.

Foul water pumping stations are designed to handle human waste however certain items commonly flushed can cause blockages and system failures. Moduquip Ltd recommends that the following items SHOULD NOT be disposed of through the pumped drainage system;

- Tampons and sanitary towels: due to materials used in the products they are not flushable and must be disposed of in a bin
- Disposable Nappies: these are not designed to be flushed down the toilet and will certainly block the pumping station if disposed of in this way
- Items made of cloth or plastic should not be flushed down the toilet, as again they do not naturally decompose in order to be safely pumped away. Common items that are found in cases of blockages of this nature are items of clothing, 'J' cloths, baby wipes and cotton buds.
- Cooking Fats & Oils: When fats/oils/grease are disposed of through the drainage system, they very quickly solidify when they make contact with the drains due to the temperature drop. This can hinder float switches from operating correctly therefore the risk of a pump failure is a lot higher

If you require any further information, please don't hesitate to contact the Moduquip team at [redacted]

MODUQUIP

8. O&M Manual

1. Overview

Simple fully automatic pump stations

Stations consist of a wet well, built either of pre-cast concrete rings, into which pumps are assembled along with a pipe manifold and level control equipment, or a pre- fitted GRP chamber. In either type, the chamber is installed into the required position by the civils contractor/ground worker. The civils contractor/ground worker is also responsible for the siting of the control panel kiosk adjacent to the pump chamber, the construction of cable ducts to the kiosk from the wet well, the power supply, the provision and connection of incoming sewers and the supply and testing of a suitable pressure rated rising main. If required in the customers specification, the provision of BMS/telemetry cables from the kiosk to the client's distribution boards and/or monitoring positions is also the responsibility of the civils contractor/ground worker.

Liquid flows into the wet well by gravity. When the water level within the chamber reaches pre-set levels, the controls activate the pumps. These pumps discharge out the effluent/water from the chamber through non-return valves into the rising main, usually into a local authority sewage system. When the level is reduced to the pre-set minimum level the pumps are switched off. Should however the level continue to rise reaching the second preset level the second pump is activated. If the level still continues to rise the fourth pre-set level, an alarm will activate calling for manual intervention.

Provided that the pumps are regularly serviced by an approved maintenance contractor and required only to pass effluent/water as per their design specification the life expectancy of the systems is 20 years from commissioning.

The pump station carries a 12-month warranty from date of commissioning, which covers faulty equipment and workmanship. The warranty does not cover general housekeeping or periodic maintenance.

2. Health & Safety

IMPORTANT
PLEASE READ THIS FIRST

United Kingdom Health & Safety at Work Act 1974

Section 6 (a) of this Act requires manufacturers to advise their customers on the safety and the handling precautions to be observed when installing, operating, maintaining and servicing their products.

The user's attention is therefore drawn to the following:

1. The appropriate sections of this manual must be read before working on the equipment.
2. Installation, operating and maintenance must only be carried out by suitably trained/qualified personnel.
3. Normal safety precautions must be taken and appropriate procedures observed to avoid accidents.

Refer to Moduquip Ltd for any technical advice or product information.

It is the responsibility of the customer - and/or the contractor - to ensure that anyone working on the equipment is wearing all necessary protective gear/clothing, is aware of appropriate

health warnings and has read the information in this section of the manual.

Leptospirosis - a risk that must not be ignored

Leptospirosis takes two forms in the UK: Weil's Disease, which is transmitted by contact with the urine of infected rats, and Hardjo Leptospirosis, which is transmitted from cattle. As well as people whose jobs involve close contact with animals or carcasses - e.g.: farmers, vets, meat inspectors, butchers, abattoir workers, etc., anyone who is in contact with sewage, river or canal water is at risk.

Infection can often be as a result of the bacteria entering the body via cuts or skin abrasions or through the mouth, throat or eyes after contact with an infected liquid.

Symptoms of both forms are similar to influenza with a severe headache.

To prevent infection, use waterproof plasters on all cuts and skin abrasions and wear protective clothing. Wash thoroughly after handling any sewage or equipment in contact with sewage, and always do so before eating, drinking or smoking.

Report any illness to your doctor and inform him/her of your work - see medical information below. The effects of Leptospirosis can be much less severe if treated promptly.

Note for the doctor:

This patient's work may expose him/her to the danger of Leptospirosis (either L. icterohaemorrhagiae or L. hardjo). Early diagnosis and treatment are vital in Weil's Disease as jaundice is often absent in the early stages. The illness in L. hardjo may be greatly shortened by appropriate antibiotic treatment. Your local Public Health Laboratory Service or Hospital Consultant Microbiologist should be able to offer advice and serological testing.

You or your doctor can obtain further information from the Employment Medical Advisory Service at any office of the Health & Safety Executive.

The above is extracted from HSE publication IND (G) 84L/2-90/70L.

More information can be found on the NHS website below.

https://www.nhs.uk/conditions/leptospirosis/

WARNING:

Sewage gases are explosive and toxic. The equipment and the area immediately surrounding it should be subject to the following safety precautions:

- NO SMOKING.
- No naked flames or sparks.
- Only qualified people may carry out maintenance /service work on the plant.
- Nobody may enter the sump until the atmosphere is checked for safety by means of a suitable portable gas detector.
- Nobody may enter the sump until the equipment is switched off/isolated electrically - and padlocked in the OFF position.
- Temporary barriers and warning signs must be erected around all open access covers.

A Moduquip Ltd Service Contract is the best way of ensuring continuous trouble-free service of the equipment. Email [redacted] the most suitable solution for your system(s).

3. Installation & Pre-commissioning of Pump Station

Project Description

1. Installation of new submersible pumps, pipework and valves into concrete chambers, control equipment installed with cables in ducts to the pumping chamber as detailed in the Moduquip Ltd contract drawings (which must take precedence). The kiosk is located within the pump station compound.

2. All operations must be carried out in accordance with the requirements of the Health & Safety at Work Act 1974 as currently amended - and with good building practice.
    a. All site equipment shall be 110V or less.
    b. All sites are to be considered hard hat areas.
    c. Safety boots must be worn.
    d. Adequate temporary covers are to be placed over all excavations, with guards/ropes and warning notices surrounding the area.
    e. The areas between the wet well and valve chamber and valve chamber to rising main connection point must be excavated below pipe level and suitably shored.
    f. If a crane is used, it must be adequately sized, correctly stabilized, and supervised by a suitably qualified / experienced banksman. Allow for any site peculiarities such as reach and height.

3. Gas monitoring will be by portable gas detector. Monitoring will be continuous in all confined spaces during installation. If required a fresh air draft will be provided to maintain a safe working atmosphere. There will always be a two-man working team as a minimum.

Pre-Commissioning

1. Moduquip Ltd's commissioning engineer carries out gas check.
2. Moduquip Ltd's commissioning engineer carries out visual safety check, ensures that chambers are in a condition to be switched on and corrects - or has corrected - any hazard or defect.

NOTE:

In order to visually check the wet well, Moduquip Ltd request that the chamber be pumped dry by others. Before running the new pumps, at least 1,000mm of clean water must be present within the chamber.

3. Check that the guide rails are secure.
4. Check the pumps are free to traverse the guides and auto locate on the pedestal(s) / duck foot bend(s).
5. Check condition of chains and the security of the chain anchors.
6. Check mounting and settings of the level controls.
7. Check earth bonding is intact and secure.
8. Check the pumps cable are securely attached and there is no excess length in the chamber.
9. Check the gate valves are operating satisfactorily and left in the OPEN position.
10. Check the non-return valves (NRV's) for operation and correct orientation.
11. Check the isolator is padlocked in the OFF position.
12. Check the connection of incoming supply from an adjacent switched isolator or

distribution box to the control panel, making sure that the connections are strictly in accordance with the diagram supplied, and that the cable is secured with the appropriate cable gland and sheathed.

13. Before proceeding further, re-check all electrical connections at both ends, paying particular attention to the security of cables (cord grips, etc.) on the support bracket(s) in the pump chamber. Further check all piping connections and that the level controls are adjusted to their correct levels.
14. Switch on the power supply at the remote isolator or distribution box and - using a suitable test meter - check the supply is present at the control panel / kiosk isolator terminals.
15. Check the direction of rotation for each pump motor.
16. Replace the access cover on the pump chamber and secure kiosk.

4. Confined Spaces

What is a confined space?

It can be any space of an enclosed nature where there is a risk of death or serious injury from hazardous substances or dangerous conditions (e.g., lack of oxygen). Some confined spaces are easy to identify, e.g., enclosures with limited openings:

- storage tanks.
- silos.
- reaction vessels.
- enclosed drains.
- sewers.

Others may be less obvious, but can be equally dangerous, for example:

- open-topped chambers.
- vats.
- combustion chambers in furnaces etc.
- ductwork.
- unventilated or poorly ventilated rooms.

It is not possible to provide a comprehensive list of confined spaces. Some places may become confined spaces when work is carried out, or during their construction, fabrication or subsequent modification.

This has been taken from HSE leaflet IND258(rev1) published 01/13.

More information can be found at the below website.

https://www.hse.gov.uk/confinedspace/

Working in confined spaces

The person in charge (or Top Man) of a confined space entry must be trained and competent to undertake the work and be up to date with all Moduquip Ltd's working procedures and ensure that all personnel under their control have been briefed on the Safe System of Work for the task in hand.

Ensure that all hazards are identified, the risks evaluated to determine the control measures required and recorded within a site-specific risk assessment and a permit to enter has been completed.

Confined Space (General) – Applicable to all conditions of entry

The safe system of work shall be based upon a suitable and sufficient risk assessment giving avoidance as its priority.

The site-specific risk assessment shall identify the hazards present and the associated risks mitigated to as low as reasonably practicable via a hierarchy of controls. The risk assessment shall also state the category of the confined space to be entered.

All sources of danger shall be identified and the necessary controls implemented including the issue of a permit to enter, issued on site by the Senior Person in Charge (SPC).

In normal circumstances, entry by persons into a confined space is not to be made where egress is less than 575mm (2ft) at the narrowest point. Consideration must be taken where suction pipe is being used within the confined space as this will take up some of egress space. Where egress is smaller than 575mm (2ft) the entry should be treated as a High-Risk entry and a full risk assessment and method statement produced which identifies a safe system of work.

Naked lights and smoking are banned within a confined space; it is not permitted to take matches, lighters, smoking materials or other sources of ignition into any confined space. Smoking on site must be undertaken within a 2m radius of a confined space access/ventilation point.

Access and egress at the confined space must be achieved in a controlled manner, i.e., if ladders are used only one man is to be on the ladder at any one time.

To reduce the risk of ignition from handheld portable lighting, intrinsically safe torches are to be used wherever possible regardless of confined space classification. N.B. switching on and off standard handheld lighting outside of a confined space for use when looking into a confined space is acceptable.

A First Aider is to be available for emergencies with appropriate first aid equipment to provide medical help until professional help arrives.

Personnel supervising and or entering a confined space shall be adequately trained and certificated. Moduquip Ltd Staff will be provided with necessary information and supervision to allow the entry and work to be undertaken in a confined space to be carried out in a safe and controlled manner.

WARNING

No entry is allowed into a confined space until a competent person has carried out atmospheric monitoring, completed a risk assessment and a safe system of work is in place.

Responsibilities

Health & Safety Coordinator

- The safety manager is responsible for ensuring that a generic risk assessment is undertaken to determine basic requirements for entry into a confined space. This is to allow for a visual inspection to be carried out, safety information obtained, the confined space category defined, in accordance with this document and the attached Permit to Enter.
- Where higher classified entries are required, assistance will be provided to the

Manager/Supervisor in producing the safe system of work.

Senior Person in Charge (SPC) or Lead Engineer

- By virtue of this responsibility as a minimum, the SPC is to supervise work and entry into a confined space. The SPC is to be able to demonstrate sufficient knowledge and understanding of confined space hazards through attendance at a certificated confined space training course which will include the use of the “Gas Meter” for atmospheric testing.
- Before atmospheric monitoring is carried out the SPC must confirm that the gas meters to be used are calibrated and function checked in accordance with the manufacturer’s operating manual. The results of the gas meter calibration and the function check are to be recorded on the permit to enter/risk assessment by the SPC.
- Ensure that safety barriers are erected at the confined space openings to protect exposed edges from falls from height.
- The SPC shall appoint a member of the team to be the Top Man. The Top Man’s duties are detailed under his responsibilities in later in this document; the SPC may undertake the responsibility of Top Man himself. If the confined space is classified as a High-Risk entry the SPC is to ensure that a rescue party with correct equipment is present and briefed on their duties.
- Before the entry of any person the Permit to Enter/Risk Assessment is to be completed. Ensure that the permit to Enter is valid for a specified time and is not to exceed one shift.
- The confined space atmosphere is to be monitored as described in the “atmosphere monitoring procedure” before entry. Whilst the work activity is underway the atmosphere is to be continually monitored until the last man has left the confined space.
- Persons entering a confined space must be advised of its category by the SPC i.e., Low, Medium or High and a toolbox talk undertaken prior to commencement of work.
- The SPC is to ensure that adequate first aid, emergency response procedures and communication arrangements are in place as detailed in the method statement and risk assessment and personnel under his control are briefed and practiced in them.
- The SPC is to ensure suitable task lighting is available and is used.
- The SPC shall consult with the client or site manager and provide a brief on the working activity taking place within the confined space, this will be recorded within the job paperwork with details of names, dates and times.
- On leaving a confined space the SPC is to complete the Permit to Enter (PTE) document and sign to confirm that:
    - All personnel have exited from the Confined Space.
    - Equipment has been removed.
    - Access covers have been replaced
    - The site has been left safe and all equipment is removed.
    - Complete and return the PTE/Risk Assessment Form to the Operations Department.

Top Man

- The Top Man person shall remain at the designated entrance of the confined space in readiness at all times.
- The Top Man Person is responsible for maintaining communication at all times between the parties and raising the alarm in the event of an emergency.
- If an emergency situation develops whilst work is underway within the confined space the Top Man must raise the alarm, all staff where possible are to evacuate the confined and the Client or site supervisor informed who will contact the emergency services. On no account should the Top Man or any other member of staff enter the confined space to attempt a rescue unless they are nominated rescue men or the

emergency services.

- The Top Man should wait at the confined space entrance to provide advice to the emergency services upon their arrival. The Top Man should assist where possible by giving details of the layout, any obstacles and the location of operatives (if known) in the confined space.
- The top man is never to enter the confined space under any circumstances, this role requires him to be outside of the confined space to coordinate the entry and emergency procedures.

Personnel Entering the Confined Space

- All operatives entering the confined space are under the control of the SPC. They are to be competent persons trained, instructed and supervised in the task and the safe system of work by the SPC.
- Wear the correct level of PPE as defined in the risk assessment/method statement
- The atmosphere within the confined space must be continually monitored during entry to the confined space by the use of gas meters being worn on the person as near to the breathing zone as possible.
- If any member of the confined space party declares that they are feeling unwell, light-headed etc. the complete party will evacuate the confined space in a controlled and calm manner.

Rescue Man

- A Rescue Man will be required when the risk assessment identifies a high-risk category of confined space. His role is NOT to undertake a search and rescue but to assist the affected personnel to exit the confined space if their location is known. The rescue man is to be physically fit, trained and certificated in the use a 30-minute working set breathing apparatus. There may be a requirement to have additional rescue men depending on the quantity of people entering the confined space.

Training

Training for Moduquip Ltd personnel who are required to enter a confined space and/or to act as SPC or Top man will be based on the standards stated in the City & Guilds Qualification for Working in Confined Spaces 6150.

Confined Space Categories

NC1
Low risk shallow entry with adequate natural or mechanical ventilation, where access is simple and unobstructed and there is likely no risk of flooding e.g.: meter pits, valve chambers, booster-pumping stations, PRV Chambers, Basements.

NC2
Vertical directed unobstructed access with continuous attachment to a man riding hoist or similar mechanical device.

NC3
When it is not possible to have persons permanently attached to a safety line. Usually, it will be a team entry which moves away from the entry point e.g., Man entry sewers, utility service subway tunnels, aqueducts and complex wet wells. Working without an attached rescue line and includes working away from the point of entry.

NC4
Non-standard entries involving complex operations which introduce additional risks and require specific controls and rescue arrangements e.g., mechanical hazards, physical complexity of system introduced hazards, enhanced specific intrinsic hazards.

Equipment Required for Confined Space Entry

NC1

- Personal Protective clothing e.g., overalls/waterproofs.
- Safety footwear.
- Portable Gas monitor (capable of detecting low oxygen, flammable gas and appropriate toxic gases).
- Explosion protected light as required.
- Travelling First Aid kit.

NC2

- Protective clothing as appropriate.
- Safety footwear.
- Portable Gas monitor (capable of detecting low oxygen, flammable gas and appropriate toxic gases).
- Explosion protected light as required.
- Hand line for lowering detector, tools etc.
- First aid kit (1 to 5 or larger).
- Safety helmet(s).
- Mechanical lifting device for vertical entries (Note; where a fully suspended descent is planned a secondary rescue system is required).
- Appropriate Harness(es).
- Escape breathing apparatus for depths greater than 6 metres.
- Safety barriers road signs etc. as appropriate.
- Life jacket (Where necessary).
- Means for calling emergency services.

NC3

Same kit as NC2 with the following additions:

- Sufficient escape BA sets to equip each and every entry team member. Duration time of sets to provide adequate escape time.
- Means of communication with members of the team.
- Sufficient working/rescue BA sets to address the rescue arrangements (minimum of 2 sets).

NC4

As for NC3 above plus specific equipment specified by the Safe System of Work. In addition to the personal and team equipment listed in NC3 above, consideration should be given to the following where applicable:

- Air movers/local exhaust ventilation.
- Specific detectors, possibly involving continuous monitoring.
- Means for locking off electrical/mechanical equipment.
- Flame/spark proof tools and equipment.
- Suitable respiratory protection for dust and sewage spray hazards.

- Chemical resistant suits, gloves, eye protection and hearing protection.
- Compressed or forced air feed breathing apparatus to address introduced or serious intrinsic chemical hazards.

Atmospheric Monitoring Procedure

A thorough atmospheric monitoring procedure must be carried out at each and every confined space entrance to confirm that there is an adequate and sustainable supply of oxygen/natural ventilation which is free from airborne contamination. i.e., toxic gas (Hydrogen Sulphide) flammable gas (Methane) and any other gas foreseeable to be present from the risk assessment.

The procedure for completing the atmospheric testing is as follows: -

- Refer to the specific Method Statement and Risk Assessment.
- The Competent person is to confirm correct calibration functioning of the Gas Meter and record details.
- Confined Space covers removed and barriers placed to prevent fall.
- Vent for at least 5 to 10 minutes or depending on the size of the confined space.
- The Gas Meter is to be switched on and lowered into the confined Space. Atmospheric testing is to take place at the upper, middle and lower levels over a period of at least five minutes. Once all levels have been checked the Gas Meter is to remain in the confined space at the lowest level viewable by the topman.
- The readings from the gas monitor are to be entered on the permit to enter.
- Persons may enter the confined space having donned the necessary Personal Protective Equipment.
- For workers entering a confined space a personal gas monitor is required to be securely placed on the body within the area of the breathing zone.
- The Gas Meter should be worn for continuous monitoring during the work activity.
- If undertaking additional entries during the working shift, personal gas monitors should be left on so long-term exposure can be monitored.

Emergency and Communication Arrangements

General

Adequate communication arrangements are vital to everyone involved in confined space work. In the event of an emergency the actions taken can mean the difference between success and failure. The means for alerting the emergency services and adequate first aid arrangements must be organised before the entry of any person into a confined space.

Communication

The Top Man is to remain in contact with those working within the confined space by visual or verbal means at all times. If required radios may be used however these must be intrinsically safe if being operated within the confined space. The emergency and communication arrangements must give consideration to all foreseeable operational and emergency situations. The emergency and communication arrangements must also allow for information to flow in both directions between the Top Man and the working party quickly and accurately.

Prepared Emergency Response

The prepared emergency response must include the action to be taken in the event of an operator becoming unwell during the work activity as well dealing with the specified hazards identified by the Risk Assessment.

Gas Meter Alarm

If a Gas Meter monitor alarms at any time during the occupation of the confined space, all persons working are to don escape breathing apparatus and immediately carry out an orderly evacuation. Re- entry by any person is not to be allowed until the reason for the signal alarm has been identified and the competent person confirms a clear and safe atmosphere.

Adverse Symptoms

If there has been no Gas Meter alarm warning but personnel within the confined space experience adverse symptoms i.e., lightheaded, fatigue, nausea, headaches, pulsing temples or irritation to the eyes, nose or throat, all persons must carry out an orderly evacuation immediately and the SPC advised.

A second calibrated and function checked Gas Meter must be used to re-check the confined space atmosphere for contaminants. Re-entry by any person is not to be allowed until the reason for the signal alarm has been identified and the SPC confirms a clear and safe atmosphere.

Emergency Signal from Top Man

A pre-arranged signal must be in place to allow for the Top Man to communicate an emergency situation to those within the confined space and to signal an evacuation. This signal should form part of the overall emergency procedure and be clearly understood by all.

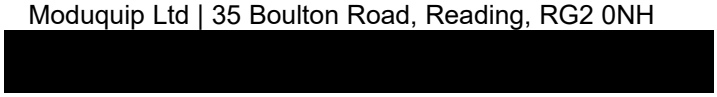
Attempting a rescue

If a person collapses whilst working within the confined space all other persons within the area must carry out an orderly evacuation immediately. The evacuating party should remove the collapsed person to a place of safety if this is possible without undue risk to themselves. Rescuing a collapsed person may be undertaken by the rescue man (men), equipped with BA if the collapsed person can be seen or is known to be in the near vicinity. On all other occasions rescue is to be undertaken by the emergency services.

Risk Assessment Factors

The Risk Assessment shall account for the following as a minimum:

- Work required to be done.
- Category of Confined Space.
- Atmospheric Hazards.
- Potential for hazards appertaining to ingress of a substance or free flowing solid.
- Hazards introduced by the work activity.
- First Aid.
- Entry and Exit Method.
- Slips, Trips and Falls.
- Lighting arrangements.
- Emergency, Communication and Rescue procedure.
- Space Restrictions.
- Access equipment.
- Relevant Structural details.
- Rodent and Vermin contamination.



5. Commissioning – Start-Up

Having checked the pumping station is installed and pre- commissioned in accordance with the requirements set out earlier in this manual, work through the following check list before putting the unit into operation:

1. Remove the access cover(s) from the chamber and note the level of any liquid.
2. Open the inlet isolating valve (if fitted) on the gravity pipe into the Pumping Station, allowing liquid to enter the chamber.
3. Switch on the Control Panel isolator/s and check both HAND/OFF/ AUTO switches are set in the AUTO position.
4. As the liquid level rises in the chamber, check for correct operation of the 'Duty Start' switching circuit. When the level reaches this switching point, Pump No. 1 will start. The liquid level should stop rising and then begin to fall as it is pumped out of the chamber.
5. Observe that Pump No. 1 stops when the liquid level falls back to a point below the bottom ('Common Stop') switching point.
6. Run another cycle by arranging for more liquid to enter the chamber - either by gravity from the normal source, or by filling with water from a hose.
7. Check that this time when the level reaches the 'Duty' Start' switching point Pump No. 2 starts instead of Pump No. 1 (auto changeover).
8. Observe that Pump No. 2 stops when the level again falls back to a point below the 'Common Stop' switching point.

Repeat Operations 4 to 8 for each pump and each combination of pumps specified.

9. Duty Assist Arrange for another cycle by refilling the chamber again, checking that this time Pump No. 1 starts at the 'Duty Start' switching point. Arrange for more liquid to run in so that, despite Pump No. 1 being in operation, the level continues to rise. Check that Pump No. 2 starts in parallel with Pump No. 1 when the level reaches the 'Start Standby' switching point. Observe both pumps running together (repeat for all pumps in station) and check they switch off together when the level again falls back below the 'Common Stop' float switch.

OR

10. Duty Standby Arrange for another cycle by refilling the chamber again, checking that this time Pump No. 1 starts at the 'Duty Start' switching point. Arrange for more liquid to run in so that, despite Pump No. 1 being in operation, the level continues to rise. Check that Pump No. 2 STARTS and Pump No. 1 STOPS when the level reaches the 'Start Standby' switching point. Observe both pumps running together Observe that Pump No. 2 stops when the level again falls back to a point below the 'Common Stop' switching point, (repeat for all pumps in station).

Should Duty-Assist-Standby or some other combination be specified then combine steps 9 and 10 as required.

11. Check all isolating valves are fully open and replace the access cover(s).

With all the isolators ON and the control switch set to AUTO. The pumping station is now Fully Operational in Automatic Control.

NOTE: No manual operation or attendance is required other than for routine servicing and maintenance checks - see Section 2. Other than for maintenance purposes, the control panel should never be switched off.



A Moduquip Ltd Service Contract is the best way of ensuring continuous trouble-free service of the equipment. Email [redacted] for the most suitable solution for your system(s).

6. Operation

1. Liquid enters the chamber by gravity.
2. When the level first reaches the 'Duty Start' switching point 13, the pump 15 - or Pump No.1 when two or more pumps are fitted - starts and runs, pumping the contents out of the chamber. The pump stops automatically when the level falls back below the 'Common Stop' switching point 14. When two pumps are fitted, the sequence automatically alternates between the pumps on each start, thus ensuring even wear on each pump, unless the customers specification dictates manual selection of the 'Duty' Pump.
3. Should the 'Duty' pump fail to start - or inflow to the chamber is in excess of the output - the liquid level will continue to rise and trip the 'Start Standby' or `Start Assist' switching point 12, starting the 'Standby' pump, irrespective of whether the 'Duty' pump is already running. The number of Standby/Assist points determined by number of pumps. When the level falls back below the 'Common Stop' switching point 14, all pumps will stop, unless the customers specified control sequence dictates otherwise.
4. If for any reason the liquid level continues to rise to reach the separate 'Alarm' float switch 10, the FAULT [ALARM] lamp on the panel door is illuminated, and the flashing beacon on top of the panel - or kiosk roof as appropriate - is activated. Where a Telemetry 'Outstation' is fitted, the alarm circuit will automatically trigger telemetry signals. Sewers for Adoption specifications call for Back- up control, following Ultrasonic failure via float switch. When float switch initiated, pump runs for set timed period, to maintain acceptable levels within chamber.

Control Panel

Features of a standard control panel:

1. IP 54 plastic or metal enclosure for wall-mounting.
2. Stove-enameled sheet steel enclosure for backboard or wall mounting (either with or without optional kiosk to customers specification) and may incorporate some or all of the following items:
    - anti-condensation heater.
    - Thermostat.
    - chamber high level alarm flashing beacon.
    - audible alarm.
    - telemetry system.
    - internal light with switch.
3. Panel fascia switches, status lamps and controls.
4. Pump HAND/OFF/AUTO Selector Switch(es)
    - Normally set in the AUTO position, when the pump is switched on and off automatically in accordance with the level control sequence described above. When set to HAND mode, the pump will run continuously, irrespective of the liquid level, unless the customers specification dictates otherwise.

IMPORTANT

In normal circumstances, HAND mode must only be used to pump out the chamber. On no account must the pump be left running continuously.

IT IS THE OPERATOR'S RESPONSIBILITY TO ENSURE THAT THE SYSTEM IS RETURNED TO 'AUTO' MODE AFTER ANY USE OF THE 'HAND' MODE.

5. Pump TRIPPED Indicator Lamp
    - A TRIPPED indicator lamp is generally fitted for each pump and will be illuminated if the pump motor has tripped out because of an overload fault. An overload condition occurs if there is an electrical fault associated with the pump motor or - more commonly - if the pump itself becomes jammed or clogged with debris, thus overloading the motor. An overload trip will automatically inhibit the pump from further operation until the fault has been rectified and the circuit reset. To reset, proceed as follows:

        a) Switch off the power supply to the panel.
        b) Open the panel door and press the RESET push-button on the appropriate overload assembly on the wiring baseboard.

NOTE: If another trip occurs after a short time, call Moduquip Ltd on 0330 390 4114 to investigate. DO NOT PRESS THE RESET BUTTON REPEATEDLY OR DAMAGE MAY RESULT.

6. FAULT [ALARM] Indicator Lamp
    - Illuminated when the liquid level in the chamber reaches the Alarm High Level. As well as energising the flashing beacon (if fitted), this alarm circuit also energises volt-free alarm relay contacts if specified. Either or both of these outputs may be used to provide remote signaling of a high-level alarm condition.
7. Ancillary outputs
    - Separate ancillary output BS4343 sockets can be provided on the control panel. On some control panels, a splash proof 240VAC socket 10mA trip is provided.

7. Maintenance

New equipment is covered by a defects warranty: this does not include routine ‘housekeeping’ maintenance, which is essential to reliable plant operation. Moduquip Ltd on offer a wide range of service schemes which also provide customers with priority attention in an emergency. It is strongly recommended that all clients take out a Service Contract.

IMPORTANT

DO NOT COMMENCE WORK UNTIL YOU ARE DRESSED IN THE CORRECT PROTECTIVE CLOTHING AND HAVE ALL NECESSARY SAFETY EQUIPMENT TO HAND Refer to the Health & Safety section of this manual.

General

Except for visual checks at the intervals specified below to ensure the pumps are working correctly and the Float Switches (when fitted) are free from deposits or have not moved from their pre-set positions, no specific regular maintenance is necessary. Nevertheless, routine checks are essential to ensure trouble-free operation: call outs to site of Moduquip Ltd on 0330 390 4114 Personnel during the warranty period are nearly always due to a lack of routine checking.

A Moduquip Ltd on Service Contract is the best way of ensuring continuous trouble-free service of the equipment. Email [redacted]e most suitable solution for your system(s).

Note that the pumps have permanently lubricated ball bearings and long-life seals. If a pump

appears not to be operating correctly, check the second pump as well: the pumps operate on an alternating cycle and hence the total duty time for each pump will normally be similar 'RUNNING-IN' CHECKS. During the first week of operation check daily to ensure that the high-level float switch - and the other float switches when fitted - have not moved from their pre-set positions and that the pumps are operating correctly. If the number of starts appears to be too frequent, refer to the FAULT-FINDING section of this manual.

Monthly Checks

1. Make a thorough visual check of the equipment, watching the operation through a complete cycle.
2. If dirt or debris appears to be clinging to the high-level float switch - or to the other float switches when fitted, clean them off by spraying with a water hose.
3. Check that the high-level float switch - and the other float switches when fitted - have not moved from their pre-set positions and that the pumps are operating correctly. If the number of pump starts appears to be too frequent, refer to the FAULT-FINDING section of this manual.

Short-term shut-down

No special action is required if the equipment is not going to be used for up to two months, but it should not be switched off. Electrical supply must be maintained to provide frost protection.

Longer term shutdown

For a shut-down in excess of two months, the equipment should be taken out of service in accordance with the following procedure:

1. Isolate the inlet flow to the Pumping Station.
2. Using the HAND position on the mode switch for the pump/s, pump out the contents of the tank unit as far as possible.
3. Dilute the remaining contents by refilling the tank unit with clean water and run the pumps to pump out again.
4. Repeat until the remaining contents are clean and below the level of the 'Common Stop' switching point.
5. Turn off the main electrical isolator at the control panel and padlock in the OFF position.

Re-commissioning

To re-commission the system, follow the procedure listed under START-UP within this manual.

8. Repairs & Servicing

IMPORTANT

DO NOT COMMENCE WORK UNTIL YOU ARE DRESSED IN THE CORRECT PROTECTIVE CLOTHING AND HAVE ALL NECESSARY SAFETY EQUIPMENT TO HAND Refer to the Health & Safety section of this manual.

ELECTRICAL SAFETY

It is essential that the pumping station is switched OFF at the control panel isolator before any work is carried out.

WARNING: Some terminals may still be live even whilst the control panel is turned off at the isolator.

Pump Removal

1. Isolate the effected pump by selecting OFF at the pump HAND/OFF/AUTO switch on the control panel fascia.

NOTE: If the Pumping Station is to remain in service - with the other pump working on its own - it is essential that the effected pump controls are disabled by isolating or removing fuses.

2. Disconnect the effected pump motor cables at the control panel terminals Carefully noting the terminal positions for each wire. Plug off the cable entry hole at the panel.
3. Close the control panel door and return the main isolator to ON.
4. Lift the effected pump clear of the chamber by means of the lifting chain provided.

NOTE: Check the pump weight before attempting a manual lift. If specified on ordering, lifting equipment will have been supplied. The coupling fitted to the pump permits it to be removed and refitted simply by lifting it clear with the chain, the pump assembly sliding up and down its guide rail. No manual disconnection of pipework is required, and thus it is not necessary for personnel to enter the chamber to remove a pump for servicing. See drawings supplied and included in this manual.

5. Hose off the pump thoroughly. Remove it Moduquip Ltd on for stripping and servicing in accordance with the manufacturer's recommendations.

For more information refer to Moduquip Ltd on.

Pump Re-fitting

1. Check the effected pump HAND/OFF/AUTO switch on the Control Panel facia is still in the OFF position. Switch the main isolator to OFF.
2. Lower the pump back down into the chamber on its guide rail, using the lifting chain provided. When in position on its pedestal, its own weight will 'lock' the pump discharge connection into position.
3. Re-connect the pump cable at the panel terminals, taking care the gland entry is properly re-sealed.
4. Refit or re-connect fuses as appropriate.

NOTE: If the Pumping Station is to remain in service - with the other pump working on its own - it is essential that the effected pump controls are disabled by isolating or removing fuses.

5. Close the panel door and switch the main isolator back to ON. Reset the pump switch to AUTO mode and check for correct operation of both pumps through a complete set of cycles in accordance with the procedures in the START-UP section of this manual.

A Moduquip Ltd Service Contract is the best way of ensuring continuous trouble-free service of the equipment. Email [redacted] the most suitable solution for your system(s).

9. Fault Finding

FAULT	POSSIBLE CAUSES	ACTION
Pump(s) will not run.	Power Failure.	Check the main isolator is ON.
		Check that a power supply exists prior to the control panel e.g., at a distribution board. *NOTE* *In the event of a power failure, when the power is restored the pumping station will restart automatically.*
	Electrical/mechanical fault (if an overload condition exists, the appropriate pump TRIPPED lamp will be illuminated).	Check to identify the exact cause by overriding the auto control of the pump/s and trying to run in HAND mode. Reset overload if appropriate. If the pump motor does not start - or runs for a very short time - press the RESET button on the panel fascia (or inside the panel as appropriate) and try again. If the motor still does not run correctly, proceed as follows: 1. Switch off at the control panel. 2. Remove pump (see Pump Removal section in this manual on how to do this). 3. Check the pump is free to rotate and that there are no pipe blockages and try again. 4. If still unsuccessful, switch off at the main isolator and call Moduquip Ltd on 0330 390 4114 to check all motors and electrical circuits.
Pumping station smells.	Liquid retention time is too great.	1. Stop the inlet flow into the chamber.

		2. Use Pump No. 1 in HAND and pump out the contents of the chamber as far as possible. 3. Reset the level of the Duty Start switching point, lowering it approximately 150mm (6”). This will reduce the retention time in the chamber by running the pump more frequently. *NOTE* *The max number of pump starts per hour is 15. Check the cycle time after resetting the switching levels to ensure the pump does not restart more frequently than once in four minutes.* 4. If applicable, check the float switch setting mechanism is re-tightened and replace the access cover. Double check that the mode switch is turned to AUTO.
	Total station failure.	Call Moduquip Ltd on 0330 390 4114
Pump starts too frequently.	Duty Start switching point set too low.	1. Reset the switch position higher. 2. Stop the inlet flow into the chamber. 3. Use Pump No. 1 in HAND and pump out the contents of the chamber as far as possible. 4. Reset the level of the Duty Start switching point, raising it approximately 50mm (2”). This will increase the retention time in the chamber. 5. If applicable, check the

		float switch setting mechanism is re-tightened and replace the access cover. Double check that the mode switch is turned to AUTO.
	Non-return valve (NRV).	1. Stop the inlet flow into the chamber. 2. Use Pump No. 1 in HAND and pump out the contents of the chamber as far as possible. 3. Look for signs of liquid flowing back into the chamber around the inlet to the (one of the) non running pump. 4. Remove the suspect non-return valve and replace the seal as necessary. *NOTE* *Isolate any back flow and release pressure before attempting to disconnect pipework joints.* 5. Re-assemble and re-fill with water via a hose. 6. Open any closed valves on the discharge side and set the pump switches to AUTO. 7. Run the unit using water and check for correct operation of the repaired/replaced non-return valve(s).
Pump runs for longer than normal.	Hydraulic load changes.	Re-check design flows and conditions.
	Non-return valve not sealing properly.	See under 'Pump starts too frequently' above.

M[redacted]com

	Discharge pipe blockage.	1. Stop the inlet flow and switch both pumps to OFF. 2. Remove the access cover and close the isolating valve. 3. Disconnect the discharge (outlet) pipe, check for any obvious blockages and rod out locally as necessary to clear. *NOTE* *Any blockage may cause a build-up of liquid in the pipework, so ensure that the pressure is relieved before attempting to disconnect any pipework joints. If a blockage is suspected further up the discharge line, gain access via a suitable manhole and rod out using conventional tools.* 4. Re-assemble the pipework and switch back to AUTO mode. 5. Run the system and check for correct operation.
	Partially blocked pump.	1. Stop the inlet flow and switch both pumps to OFF. 2. Remove the access cover. 3. Remove the affected pump using the Pump Removal guidance in the Repairs & Servicing part of this manual. 4. Clear any blockage and replace the pump. 5. Switch back to AUTO mode. 6. Run the system and

		check for correct operation.
High Level Alarm. *IMPORTANT* *An overflow condition is potentially serious and requires urgent attention to prevent flooding or 'backing-up.' If in doubt about the cause, consult Moduquip Ltd on 0330 390 4114 for further advice.*	Pump(s) will not run.	See under 'Pump(s) will not run' fault section.
	Pump(s) or piping blockage.	See under 'Pump(s) run for longer than normal fault section.
	Surge flows.	Re-check design flows and conditions.
	Float switch settings disturbed.	1. Stop the inlet flow and use the HAND mode to pump out the contents of the chamber as far as possible. 2. Check switching point positions and rectify as necessary.
	Air-locked pump. *No visible sign.*	Proceed as for 'Partially blocked pump' fault above, partially lifting pump releasing air from the volute.
Flooded pump station		1. Isolate the electrical power supply to the pumping station. 2. Stop the inflow into the chamber. 3. Using a separate portable pump, reduce the liquid in the chamber as far as possible. 4. If a junction box is fitted in the chamber, open the cover and clean and dry thoroughly. Ensure that all the cable ends are completely dry and check for any liquid ingress into the cables and sheaths. Carry out electrical insulation tests prior to switching 'on.'

10. Maintenance Agreements

A Moduquip Ltd Service Contract is the best way of ensuring continuous trouble-free service of the equipment.

A maintenance agreement has several key elements to it. These are regular planned service visits, non-planned call outs, and telemetry.

Regular planned service visits

The regular planned service visits are the backbone of the maintenance agreement. These are provisionally booked in advance to ensure there is an even gap between each service so changes with the system are identified in an orderly manner.

Maintenance periods can vary from one month to two years and is dependent on the system installed and the use. Another important factor in determining the maintenance period is how damaging a failure of the plant could be. Although some systems may only get low use, a failure of the equipment may cause excessive flooding or other damage.

With most service visits, more than one installation can be serviced on the same day, depending on complexity, size etc. It is suggested that where there are multiple installations on the same site that cannot be completed on the same day, service visits are staggered. This will enable service engineers to not only service all the equipment on the site within the correct maintenance period but will also allow for them to check other systems for warning lights which could non-planned call outs.

Non-planned call outs

With all mechanical and electrical equipment, faults can occur. These could be due to either mechanical or electrical breakdown, a power cut or user error. A non-planned call out is when an engineer is called out to investigate and rectify a fault outside of the normal service visits.

A useful guide for residents and others who may rely on a pumping station for their drainage can be found on the following link below.

https://www.pump.net/post/living-near-a-pump-station

In the event of a failure of the plant or equipment, a visit by a competent service engineer must be arranged for the fault to be diagnosed and sorted. Temporary pumping arrangements may be required if the fault will take longer to sort. Typically, it is down to the user to advise of a fault unless there is a telemetry system in place and the client has specifically asked us to respond on an alert message.

Telemetry

If the system has a telemetry outstation installed, messages will be sent via text, email, app or online. The messages are typically as follows:

- Status OK – this shows the controls are all in order.
- Pump 1 (or 2 or 3 etc.) Tripped Activated – this shows there is a fault a pump.
- Pump 1 (or 2 or 3 etc.) Tripped Reset – this shows the fault with a pump has

been reset.
- Power Failed Activated – power has been lost to the telemetry unit.
- Power Failed Reset – power has been restored to the telemetry unit.
- High Level Alarm Activated – the water level in the pump station is high indicating a fault with the system.
- High Level Alarm Reset – the water level has receded from high level alarm level.

IMPORTANT
Please note that whilst these are the typical alarms, faults within the control system may give false alarms, such as if a control float switch has failed to operate, the high-level alarm may operate whilst the pumps are not operating. In this situation, it is likely that a layer of oils, fats and greases (OFG) may have formed. As a result, a tanker visit is required. Please call Moduquip Ltd on 0330 390 4114 to arrange.

Tanker visits

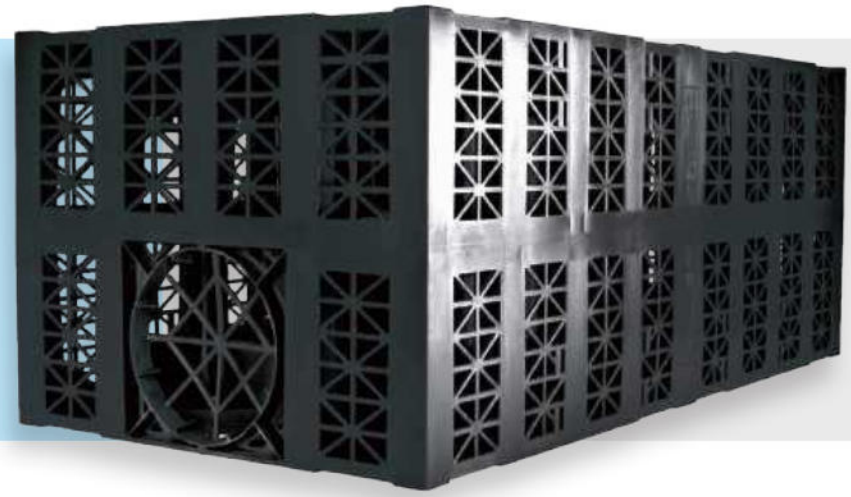
Whilst these do not always form part of a maintenance contract, a visit by a vacuum tanker is sometimes necessary and can be beneficial. On a service visit, a trained engineer can advise whether a vacuum tanker visit is necessary. With a tanker visits several issues need to be discussed to undertake the work including:

- Parking for the vacuum tanker.
- Route for the tanker hoses including stairs and access rights.
- Floor protective measures.
- Clean up procedure.

Once a tanker has visited the station, please ensure that the pump has been primed, see air-locked pump in the fault-finding section.

Product Datasheet

AquaCell Core-R



Product description

AquaCell Core-R has been designed for use in deep applications, subject to regular and heavy traffic loadings, e.g. cars and HGV's. AquaCell Core-R can also be used in both landscaped and deep soakaway applications.

Technical specification

Cat code	6LB150	**Void ratio**	95%
Colour	Black	**Material**	Recycled PP
Dimensions	1m x 0.5m x 0.4m	**Vertical loading**	66.9 tonnes/m² (669 kN/m²)
Weight	11.5kg	**Lateral loading**	12.3 tonnes/m² (123 kN/m²)
Storage volume	190 litres	**BBA approval**	Certificate 03/4018

Maximum installation depths

Typical soil type	Maximum depth of installation – to base of units (m)[1]				
	Soil weight kN/m³	Angle of internal friction φ (degrees)[2, 3]	Landscaped areas	Vehicle mass <9 tonnes[4, 5]	Vehicle mass <44 tonnes
Over consolidated stiff clay	20	24	3.85	3.61	3.36
Silty sandy clay	19	26	4.35	4.09	3.83
Loose sand and gravel	18	30	5.34	5.06	4.78
Medium dense sand and gravel	19	34	5.94	5.68	5.41
Dense sand and gravel	20	38	6.68	6.43	6.18

Minimum cover depths

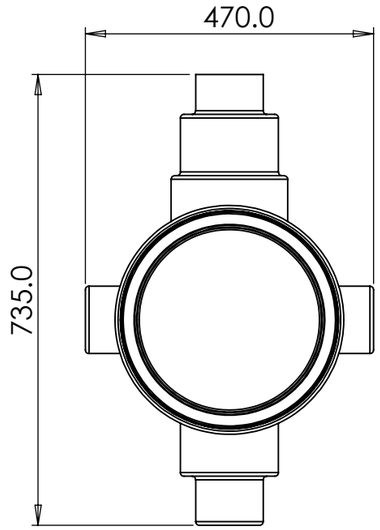
	Landscaped areas	Car parks with vehicle mass <3 tonnes[5]	Car parks with vehicle mass <9 tonnes	Car parks with vehicle mass <12 tonnes	Low speed roads with vehicle mass <60 tonnes
Minimum cover depth (m)	0.30	0.50	0.60	0.70	1.11

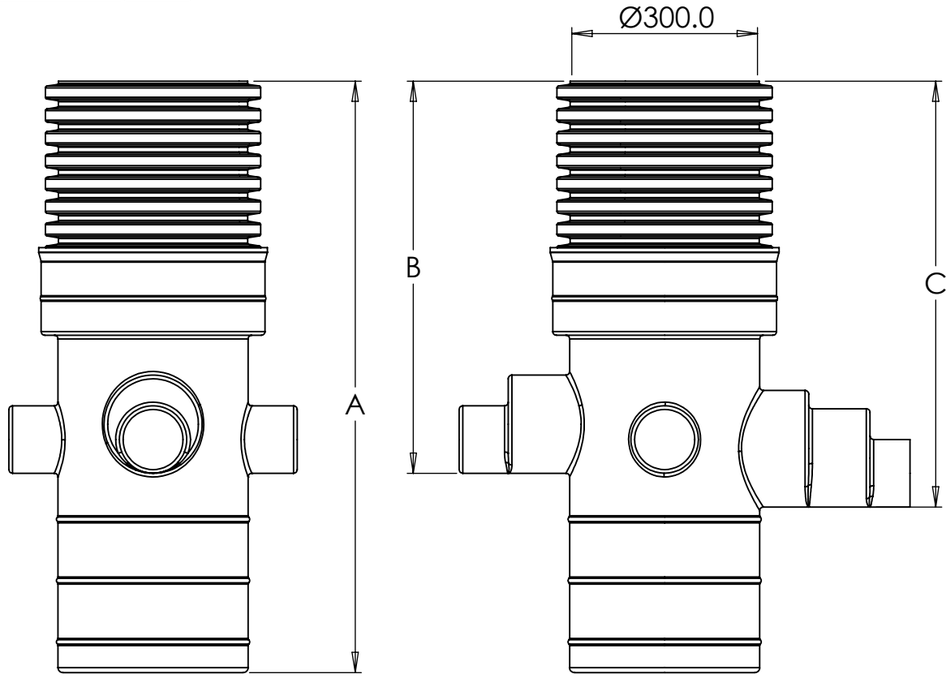
1. Without groundwater present below base of units – AquaCell Core-R may be used where groundwater is present, contact Wavin for technical advice.
2. Loosening of dense sand or softening of clay by water can occur during installation. The designer should allow for any such likely effects when choosing an appropriate value of φ.
3. The design is very sensitive to small changes in the assumed value of φ, therefore, it should be confirmed by a chartered geotechnical engineer. In clay soils, it may be possible to utilise cohesion in some cases.
4. Applicable for car parks or other areas trafficked only by cars or occasional refuse collection trucks or similar vehicles (typically one per week).
5. This category should be used when considering landscaped areas that may be trafficked by ride on mowers.

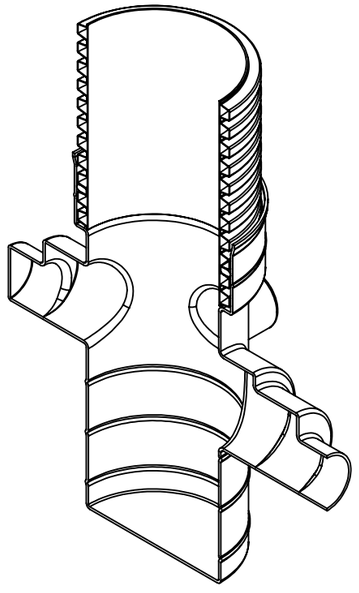
Assumptions made:

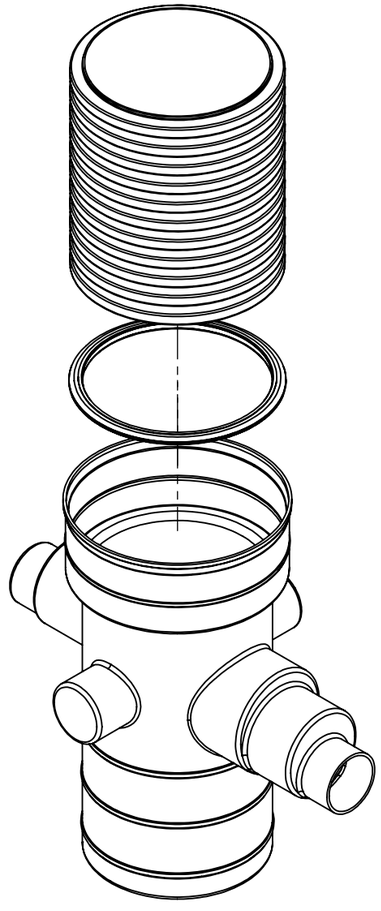
- Ground surface is horizontal
- Shear planes or other weaknesses are not present within the structure of the soil

Source: BBA









PRODUCT CODE	Pipework Options Ø (mm)	Overall Depth A (mm)	Inlet Invert B (mm)	Outlet Invert C (mm)	Approx. Weight (Kg)
AICCP300160B (BASE ONLY)	110, 160	693	363	418	4
AICCP300160B/1	110, 160	995	665	720	6.6
AICCP300160B/1.5	110, 160	1515	1185	1240	9.2
AICCP300160B/2	110, 160	1995	1665	1720	11.6

DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS

BRAND:
ACCESSO

ACCESSO™ STRENGTH IN DEPTH

turtle

DRAWN BY:	APPROVED BY:
J.R	D.V.A
DRAWN DATE:	APPROVED DATE:
20/06/2025	20/06/2025

PRODUCT CODE:
AICCP300160B

PRODUCT DESCRIPTION:

Ø300mm CATCHPIT CHAMBER

PROPRIETARY & CONFIDENTIAL

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SCALE:	SHEET NO:	SHEET SIZE:	REV:
1:10	SHEET 3 OF 3	A3	A

DOWNSTREAM DEFENDER® SELECT DESIGN SUMMARY

PROJECT INFORMATION

Reference	96506
Site	Freeman Close
Designer	Ellen Webb
Date	01/05/2026 09:33

DESIGN INPUTS

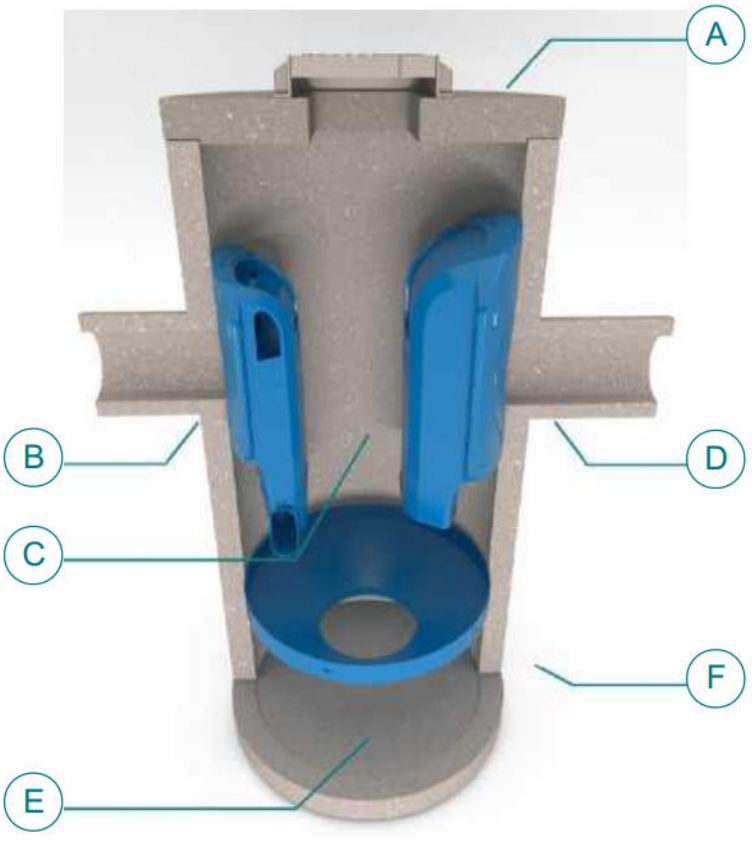
Sizing Method	Performance
Catchment Area (m²)	250

DESIGN OUTPUTS

Product	HYDRO INTERNATIONAL DOWNSTREAM DEFENDER® SELECT
Separator Type	Advanced Vortex
Unit Reference	DDC10-620-C-150

PRODUCT CONFIGURATION

Material	Concrete
Sediment Protection	Yes
Enhanced Oil Retention Media	No
Floatables storage / Oil treatment	Yes
Hydro-Logic® Flow Monitoring	No
Hydro-Logic® Sediment Level Monitoring	No



UNIT WEIGHTS AND DIMENSIONS

(A) Unit Size (m)	1.00
(B) Inlet Pipe Size (mm)	150
(D) Outlet Pipe Size (mm)	150
(F) Height of Chamber (m)	2.39

PERFORMANCE AND HYDRAULICS

Treatment Flow Rate (l/s)	21
Hydraulic Capacity Flow Rate (l/s)	21
Typical Operating Headloss (mm)	160
Maximum Headloss (mm)	500

STORAGE

(C) Min. Oil Storage Capacity (l)	256
(E) Min. Sediment Storage Capacity (m³)	0.31

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